Partnership 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, family-founded company based in Ashland City, Tennessee

- 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.
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.

<table>
<thead>
<tr>
<th>FAMILY SIZE</th>
<th>FIRST HOUR RATING REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 PEOPLE</td>
<td>45-55 GALLONS</td>
</tr>
<tr>
<td>3 PEOPLE</td>
<td>55-65 GALLONS</td>
</tr>
<tr>
<td>4 PEOPLE</td>
<td>65-75 GALLONS</td>
</tr>
<tr>
<td>5 PEOPLE</td>
<td>75-85 GALLONS</td>
</tr>
<tr>
<td>6 PEOPLE</td>
<td>85-100 GALLONS</td>
</tr>
<tr>
<td>7 OR MORE PEOPLE</td>
<td>100 OR MORE GALLONS</td>
</tr>
</tbody>
</table>
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.

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).

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.

### Average Ground Water Temperature

<table>
<thead>
<tr>
<th>Zone</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern Zone</td>
<td>52°F to 61°F</td>
</tr>
<tr>
<td>Central Zone</td>
<td>37°F to 51°F</td>
</tr>
<tr>
<td>Northern Zone</td>
<td>62°F to 77°F</td>
</tr>
</tbody>
</table>

### Tankless Flow Rates

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

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

PEfrac x 100 x (Eheating + Ecooling + Ewh + Ela) rated home
(Eheating + Ecooling + Ewh + Ela) reference home

To learn more about the HERS Index, visit resnet.us
# HOW DO STATE PRODUCTS HELP YOUR HERS RATING

![HERS Zone Map](image)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
<th>Zone 4</th>
<th>Zone 5</th>
<th>Zone 6</th>
<th>Zone 7</th>
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<tbody>
<tr>
<td><strong>Heat Pump</strong></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>HPX-50-DHPTNE</td>
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<td>6</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>5</td>
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<tr>
<td>HPX-66-DHPTNE</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>HPX-80-DHPTNE</td>
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<td>4</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td><strong>90%+ Efficiency</strong></td>
<td></td>
<td></td>
<td></td>
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<td>GP6-50-YTPDT</td>
<td>2</td>
<td>2</td>
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<td>3</td>
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<td>GP6-75-YTPDT</td>
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<td>3</td>
<td>3</td>
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<td>3</td>
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<tr>
<td><strong>Tankless</strong></td>
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<tr>
<td>GTS-540-NIH</td>
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<td>4</td>
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<tr>
<td>GTS-540P-NIH</td>
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<td>4</td>
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<tr>
<td>GTS-510C-NI</td>
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<td>GTS-510-NI</td>
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<td>3</td>
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<td>3</td>
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<td>3</td>
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<tr>
<td><strong>Powered Vent</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>GS6-50-YPDTL</td>
<td>1</td>
<td>2</td>
<td>2</td>
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<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>GS6-50-YPDPT</td>
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<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>GS6-75-YPDTL</td>
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<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<td>GS6-75-YPVHTL</td>
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<td>2</td>
<td>1</td>
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<td>1</td>
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<tr>
<td>GS6-40-YBVIS</td>
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<td>2</td>
<td>2</td>
<td>2</td>
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<td>2</td>
</tr>
<tr>
<td>GS6-50-YBVIS</td>
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<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

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

For more detail visit statewaterheaters.com/builders
**RESIDENTIAL GAS WATER HEATERS**

**PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.**

**PREMIUM FEATURES:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PROLINE®</th>
<th>PROLINE® MASTER</th>
<th>PROLINE® XE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Cost</td>
<td>$$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Installation Space Required</td>
<td>1-3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Warranty (Years)</td>
<td>6</td>
<td>8</td>
<td>6-10</td>
</tr>
<tr>
<td>Blue Diamond® Glass Coating</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>DynaClean™ Automatic Sediment-Cleaning System</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Self-Powered Electronic Gas Valve</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Heat Trap Nipples</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Enhanced Flow Brass Drain Valve</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>CoreGard™ Advanced Anode Rod Protection</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Energy Star® Qualified</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronic User Interface</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over 90% Condensing Efficiency</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best In Class Material and Technology</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Leading Efficiency</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Venting Options</td>
<td>●</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Hot Water Output, Cost of Operation, & Installation Space Required estimated based on typical applications/installations. For a more custom analysis of unique installations, visit www.statewaterheaters.com and use our product selector tool.*
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.

BLUE DIAMOND® GLASS COATING
Provides superior corrosion resistance compared to industry-standard glasslining.

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.

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.

BLUE DIAMOND® GLASS COATING
Provides superior corrosion resistance compared to industry-standard glasslining.

ENERGY STAR®
State offers a variety of models that are ENERGY STAR® qualified. Learn more at www.energystar.gov.
HELICAL INTERNAL HEAT EXCHANGER
- Spiral heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle.

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.

CONDENSING DESIGN
- 96% efficient condensing design.
- Equipped with condensate drain tee.

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.

ADVANCED ELECTRONIC CONTROL
- Large LCD Display.
- Precise temperature control.
- 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 20ppm.
- Meets UBC, CEC and ICC National Codes.

6-YEAR LIMITED TANK AND PARTS WARRANTY
- For complete information, consult written warranty or go to statewaterheaters.com.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume (Gallons)</th>
<th>First Hour Rating</th>
<th>UEF</th>
<th>Thermal Efficiency</th>
<th>Recovery @ 90°F Rise</th>
<th>BTU Input Per Hour</th>
<th>Vent Size</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP6 50 YTPDT</td>
<td>50</td>
<td>49</td>
<td>100</td>
<td>0.88</td>
<td>96%</td>
<td>129</td>
<td>100,000</td>
<td>2 or 3</td>
<td>66-3/4</td>
<td>22</td>
</tr>
<tr>
<td>GP6 75 YTPDT</td>
<td>75</td>
<td>74</td>
<td>130</td>
<td>0.86</td>
<td>96%</td>
<td>129</td>
<td>100,000</td>
<td>2 or 3</td>
<td>64-3/4</td>
<td>27-3/4</td>
</tr>
</tbody>
</table>

Available in natural gas only.
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.
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/J.

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.

6-YEAR LIMITED TANK AND PARTS WARRANTY
- For complete information, consult written warranty or go to statewaterheaters.com.

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

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

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).
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.

10-YEAR LIMITED TANK AND 1-YEAR LIMITED PARTS WARRANTY
- For complete information, consult written warranty or go to statewaterheaters.com.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>Thermal Efficiency</th>
<th>Recovery @ 90° Rise Gallon Per Hour</th>
<th>BTU/h Input Gallon Per Hour</th>
<th>Vent Size</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
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<tbody>
<tr>
<td>GHX 34 100 N</td>
<td>34</td>
<td>33</td>
<td>170</td>
<td>0.90</td>
<td>96%</td>
<td>129</td>
<td>100,000</td>
<td>2 or 3</td>
<td>48-1/2</td>
<td>41</td>
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<tr>
<td>GHX 34 130 N</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>96%</td>
<td>165</td>
<td>130,000</td>
<td>2 or 3</td>
<td>48-1/2</td>
<td>41</td>
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<td>GHX 34 150 N</td>
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<td>N/A</td>
<td>N/A</td>
<td>94%</td>
<td>190</td>
<td>150,000</td>
<td>2 or 3</td>
<td>48-1/2</td>
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<tr>
<td>GHX 50 130 N</td>
<td>50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>95%</td>
<td>165</td>
<td>130,000</td>
<td>2 or 3</td>
<td>62-3/8</td>
<td>55</td>
</tr>
<tr>
<td>GHX 50 150 N</td>
<td>50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>95%</td>
<td>190</td>
<td>150,000</td>
<td>2 or 3</td>
<td>63-3/4</td>
<td>56-1/4</td>
</tr>
<tr>
<td>GHX 50 175 N</td>
<td>50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>96%</td>
<td>222</td>
<td>175,000</td>
<td>3</td>
<td>63-3/4</td>
<td>56-1/4</td>
</tr>
<tr>
<td>GHX 50 199 N</td>
<td>50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>96%</td>
<td>253</td>
<td>199,000</td>
<td>3</td>
<td>63-3/4</td>
<td>56-1/4</td>
</tr>
</tbody>
</table>

Available in Propane (LP) gas. Specify when ordering Propane (LP) gas. Models certified for sea level to 7,700 ft. elevation.
ENERGY STAR® QUALIFIED

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/J.

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.

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.

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

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 YBFT available in natural gas only. All other models available in propane (LP) gas.
PROLINE® XE HIGH EFFICIENCY 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.

DESIGN-LISTED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure.

6-YEAR LIMITED TANK AND PARTS WARRANTY

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Series</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>NG Input Per Hour Propane</th>
<th>Recovery @ 90°F Rise Gallon Per Hour</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS6 40 YBPDS</td>
<td>200</td>
<td>40</td>
<td>38</td>
<td>74</td>
<td>0.68</td>
<td>40,000</td>
<td>45</td>
<td>Height to Top of Blower: 58-1/4</td>
<td>Height to Top of Tank: 49-5/8</td>
</tr>
<tr>
<td>GS6 50 YBPDT</td>
<td>200</td>
<td>50</td>
<td>48</td>
<td>81</td>
<td>0.72</td>
<td>45,000</td>
<td>50</td>
<td>Height to Top of Blower: 67-1/2</td>
<td>Height to Top of Tank: 58-3/4</td>
</tr>
<tr>
<td>GS6 50 YRPDTL 5</td>
<td>200</td>
<td>50</td>
<td>48</td>
<td>118</td>
<td>0.73</td>
<td>62,000*</td>
<td>73</td>
<td>Height to Top of Blower: 69</td>
<td>Height to Top of Tank: 60-1/4</td>
</tr>
<tr>
<td>GS6 75 YRPDTL</td>
<td>210</td>
<td>75</td>
<td>72</td>
<td>129</td>
<td>0.68</td>
<td>76,000</td>
<td>82</td>
<td>Height to Top of Blower: 70-5/8</td>
<td>Height to Top of Tank: 61-1/2</td>
</tr>
</tbody>
</table>

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 200/210. Propane models are series 201/210.

† GS6 75 YRPDTL 5 is not ENERGY STAR® qualified.
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.

6-YEAR LIMITED TANK AND PARTS WARRANTY

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Series</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>UEF</th>
<th>Recovery @ 90°F Rise Gallon Per Hour</th>
<th>BTU Input Gallon Per Hour</th>
<th>First Hour Rating (Gallons)</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS6 40 YBVIS</td>
<td>200</td>
<td>40</td>
<td>38</td>
<td>0.67</td>
<td>45</td>
<td>40,000</td>
<td>72</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
<tr>
<td>GS6 40 YRVIT</td>
<td>200</td>
<td>40</td>
<td>38</td>
<td>0.70</td>
<td>56</td>
<td>50,000</td>
<td>93</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
<tr>
<td>GS6 50 YBVIS</td>
<td>200</td>
<td>50</td>
<td>49</td>
<td>0.72</td>
<td>45</td>
<td>40,000</td>
<td>93</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
<tr>
<td>GS6 50 YRVIT</td>
<td>200</td>
<td>50</td>
<td>48</td>
<td>0.72</td>
<td>56</td>
<td>50,000</td>
<td>96</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
<tr>
<td>GS6 50 YRVHSL</td>
<td>200</td>
<td>50</td>
<td>50</td>
<td>0.73</td>
<td>69</td>
<td>62,000</td>
<td>108</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
<tr>
<td>†GS6 75 YRVHSL</td>
<td>210</td>
<td>75</td>
<td>72</td>
<td>0.69</td>
<td>80</td>
<td>76,000</td>
<td>N/A</td>
<td>Height to Top of Blower</td>
<td>Height to Top of Tank</td>
</tr>
</tbody>
</table>

All models have 3/4” NPT water connections.
Side connections standard on YRVHSL and YRVHSL 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.

† GS6 75 YRVHSL is not ENERGY STAR® Qualified.

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).
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/J.

ENHANCED-FLOW BRASS DRAIN VALVE

CODE COMPLIANCE
- Meets UBC, CEC and HUD National Codes.
- 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.

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

No option available for Top T&P valve.
## RESIDENTIAL TANKLESS WATER HEATERS

**PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.**

### PREMIUM FEATURES:

<table>
<thead>
<tr>
<th>Model Family</th>
<th>Proline XE Non-Condensing</th>
<th>Proline XE Non-Condensing ULN</th>
<th>Proline XE Non-Condensing Concentric Vent</th>
<th>Proline XE Condensing</th>
<th>Proline XE Condensing with Recirc Pump</th>
<th>Proline XE Combi Boiler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BTUs</strong></td>
<td>140k-199k</td>
<td>140k-199k</td>
<td>140k-199k</td>
<td>120k-199k</td>
<td>199k</td>
<td>110k-199k</td>
</tr>
<tr>
<td>Recirculation Pump - DHW</td>
<td></td>
<td></td>
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<tr>
<td>Recirculation Pump - Hydronic Heating</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Concentric Venting</td>
<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Ultra Low Nox</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Star® Qualified</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OPERATING COST**

**INSTALLATION SPACE REQUIRED**

**WARRANTY (YEARS)**

6-10
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.
• Refer to www.statewaterheaters.com for further warranty details

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gas Consumption Input</th>
<th>Minimum Heating Capacity</th>
<th>Maximum Heating Capacity</th>
<th>AFUE%</th>
<th>Net AHRI Rating</th>
<th>GPM at 77°F Rise</th>
<th>Water Connections</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCB-110S-N</td>
<td>11,000 110,000</td>
<td>4.0 14.0</td>
<td>95.0 102,000</td>
<td>89,000</td>
<td>2.6</td>
<td>1” NPT</td>
<td>3/4” NPT</td>
<td>1/2” NPT</td>
</tr>
<tr>
<td>SCB-150S-N</td>
<td>15,000 150,000</td>
<td>4.0 14.0</td>
<td>95.0 139,000</td>
<td>121,000</td>
<td>3.6</td>
<td>1” NPT</td>
<td>3/4” NPT</td>
<td>1/2” NPT</td>
</tr>
<tr>
<td>SCB-199S-N</td>
<td>19,999 199,999</td>
<td>4.0 14.0</td>
<td>95.0 185,000</td>
<td>161,000</td>
<td>4.8</td>
<td>1” NPT</td>
<td>3/4” NPT</td>
<td>1/2” NPT</td>
</tr>
</tbody>
</table>

* 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.
**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:**
- 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.

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>Type</th>
<th>Gas Consumption Input</th>
<th>Inlet Gas Pressure***</th>
<th>Indoor Model UEF</th>
<th>Outdoor Model UEF</th>
<th>Connections</th>
<th>Sizing Chart (Number of Showers)</th>
<th>Clearances (in.)</th>
<th>Approx Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>15,000</td>
<td>199,000</td>
<td>4.0</td>
<td>10.5</td>
<td>0.93</td>
<td>0.95</td>
<td>3/4” NPT</td>
<td>3/4” NPT</td>
</tr>
</tbody>
</table>

* 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.
**PROLINE® XE CONDENSING HIGH EFFICIENCY**

**ENERGY STAR® QUALIFIED**

CONDENSING TECHNOLOGY PROVIDES UP TO 0.95 UEF  
ULTRA-LOW NOx EMISSIONS

- Complies with SCAQMD Rule 1146.2 NOx 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**

- 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.

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### Connections

- **Outdoor Model**
- **Indoor Model**

### Sizing Chart (Number of Showers)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Type</th>
<th>Gas Consumption Input</th>
<th>Inlet Gas Pressure***</th>
<th>Indoor Model UEF</th>
<th>Outdoor Model UEF</th>
<th>Connections</th>
<th>Sizing Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTS-140-NIH</td>
<td>Natural</td>
<td>15,000 - 120,000</td>
<td>4.0 - 10.5</td>
<td>0.90</td>
<td>0.91</td>
<td>3/4&quot; NPT</td>
<td>1/2&quot; NPT</td>
</tr>
<tr>
<td>GTS-240H-NIH</td>
<td>Natural</td>
<td>15,000 - 160,000</td>
<td>4.0 - 10.5</td>
<td>0.94</td>
<td>0.95</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
<tr>
<td>GTS-340H-NIH</td>
<td>Natural</td>
<td>15,000 - 180,000</td>
<td>4.0 - 10.5</td>
<td>0.95</td>
<td>0.94</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
<tr>
<td>GTS-540H-NIH</td>
<td>Natural</td>
<td>15,000 - 199,000</td>
<td>4.0 - 10.5</td>
<td>0.93</td>
<td>0.95</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
</tbody>
</table>

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

**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.
PROLINE® XE NON-CONDENSING ULTRA-LOW NOx

ULTRA-LOW NOx EMISSIONS
- Complies with SCAQMD Rule 1146.2 NOx 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
- 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.

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>Type</th>
<th>Gas Consumption Input</th>
<th>Inlet Gas Pressure**</th>
<th>Indoor Model UEF</th>
<th>Outdoor Model UEF</th>
<th>Connections</th>
<th>Sizing Chart (Number of Showers)</th>
<th>Clearances (in.)</th>
<th>Approx Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTS-110U-I-200</td>
<td>Natural</td>
<td>15,000 - 140,000</td>
<td>4.0 - 10.5</td>
<td>0.81</td>
<td>0.81</td>
<td>Water: 3/4&quot; NPT</td>
<td>1.5</td>
<td>Top: 12</td>
<td>4</td>
</tr>
<tr>
<td>GTS-310U-I-200</td>
<td>Natural</td>
<td>15,000 - 190,000</td>
<td>4.0 - 10.5</td>
<td>0.82</td>
<td>0.82</td>
<td>Gas: 3/4&quot; NPT</td>
<td>2.5</td>
<td>Bottom: 12</td>
<td>4</td>
</tr>
<tr>
<td>GTS-510U-I-200</td>
<td>Natural</td>
<td>15,000 - 199,000</td>
<td>4.0 - 10.5</td>
<td>0.82</td>
<td>0.81</td>
<td>Cold Climate†: 3/4&quot; NPT</td>
<td>2.5</td>
<td>Side: 12</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
MAXIMUM FLOW RATES UP TO 10.0 GPM

COPPER PRIMARY HEAT EXCHANGER

- Primary heat exchanger of the GTS-510 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 a remote control with advanced diagnostics to simplify installation and troubleshooting.
- Include factory-installed power cords.

OUTDOOR MODELS

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

LOW NOx EMISSION

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

EASY-LINK UP TO 4 UNITS (510 MODELS)

POWER VENT AND POWER DIRECT VENT DESIGN

SAFETY FEATURES

- 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.

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>Type</th>
<th>Gas Consumption Input</th>
<th>Inlet Gas Pressure**</th>
<th>UEF (Indoor and Outdoor)</th>
<th>Connections (Number of Showers)</th>
<th>Clearances (in.)</th>
<th>Approx Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTS-110-NI</td>
<td>Natural</td>
<td>19,500</td>
<td>140,000</td>
<td>4.0</td>
<td>10.5</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
<tr>
<td>GTS-310-NI</td>
<td>Natural</td>
<td>11,000</td>
<td>190,000</td>
<td>4.0</td>
<td>10.5</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
<tr>
<td>GTS-510-NI</td>
<td>Natural</td>
<td>11,000</td>
<td>199,000</td>
<td>4.0</td>
<td>10.5</td>
<td>3/4&quot; NPT</td>
<td>3/4&quot; NPT</td>
</tr>
</tbody>
</table>

*For outdoor models, change “NI” to “NE.” For propane models, change “N” to “P” (example: GTS-110-PI). 110 models are only available for indoor installation.

**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.
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 NOx EMISSIONS
- Complies with SCAQMD Rule 1146.2 NOx 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.

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### Model Specifications

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>Gas Consumption Input</th>
<th>Inlet Gas Pressure**</th>
<th>UEF</th>
<th>Connections</th>
<th>Sizing Chart (Number of Showers)</th>
<th>Clearances (in.)</th>
<th>Approx Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum (BTU/H)</td>
<td>Maximum (BTU/H)</td>
<td>Minimum (in. W.C.)</td>
<td>Maximum (in. W.C.)</td>
<td>Water</td>
<td>Gas</td>
<td>Cold Climate†</td>
</tr>
<tr>
<td></td>
<td>GTS-310C-N</td>
<td>15,000</td>
<td>190,000</td>
<td>4.0</td>
<td>10.5</td>
<td>0.82</td>
<td>3/4” NPT</td>
</tr>
<tr>
<td></td>
<td>GTS-510C-N</td>
<td>15,000</td>
<td>199,000</td>
<td>4.0</td>
<td>10.5</td>
<td>0.81</td>
<td>3/4” NPT</td>
</tr>
</tbody>
</table>

*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

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ANSI Z21.10.3
**RESIDENTIAL ELECTRIC WATER HEATERS**
**PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.**

**PREMIUM FEATURES:**

**OPERATING COST**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PROLINE®</th>
<th>PROLINE® MASTER</th>
<th>PROLINE® XE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Diamond® Glass Coating</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>DynaClean™ Automatic Sediment-Cleaning System</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Heat Trap Nipples</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Enhanced Flow Brass Drain Valve</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>CoreGard™ Advanced Anode Rod Protection</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Energy Star® Qualified*</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronic User Interface*</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Leading Efficiency*</td>
<td>•</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Select Heat Pump Water Heater models only.
Hot Water Output, Cost of Operation, & Installation Space Required estimated based on typical applications/installations.
For a more custom analysis of unique installations, visit www.statewaterheaters.com and use our product selector tool.
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.

DUAL VOLTAGE CAPABLE
- 208/240 VAC 60Hz capable for use in almost any residential application.

CHOICE OF OPERATING MODES
- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand. Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.
- Vacation mode reduces operating costs and provides freeze protection during extended absence.

BACKUP ELECTRIC ELEMENTS
- Long-lasting 4500W backup heating elements help heat water according to environmental conditions, demand and the chosen operating mode.

DRY FIRE PROTECTION
- Control system ensures the tank is full of water during start up to prevent dry firing the heating elements.

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.

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.
- Accessory Inlet/Outlet Duct Kit (Part number 100234320).

10-YEAR LIMITED WARRANTY
- For complete information, consult written warranty or go to statewaterheaters.com.

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

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

• Reduce water heating costs up to 73% compared to a standard electric water heater.

• Up to a 3.45 UEF Rating conserves energy and meets ENERGY STAR® qualifications.

DUAL VOLTAGE CAPABLE

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

CHOICE OF OPERATING MODES

• Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand. Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.

• Vacation mode reduces operating costs and provides freeze protection during extended absence.

BACKUP ELECTRIC ELEMENTS

• Long-lasting 4500W backup heating elements help heat water according to environmental conditions, demand and the chosen operating mode.

DRY FIRE PROTECTION

• Control system ensures the tank is full of water during start up to prevent dry firing the heating elements.

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.

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.

• Accessory Inlet/Outlet Duct Kit (Part number 100234320).

6-YEAR LIMITED WARRANTY

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

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

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

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 Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gallon Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>BTU Input Natural Gas</th>
<th>BTU Input Propane Gas</th>
<th>Recovery 90°F Rise Gallon Per Hour</th>
<th>Height to Top of Draft Hood</th>
<th>Height to Top of Tank</th>
<th>Diameter</th>
<th>Draft Hood</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tall Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GW8 40 BCT</td>
<td>40</td>
<td>38</td>
<td>80</td>
<td>0.66</td>
<td>40,000</td>
<td>36,000</td>
<td>42</td>
<td>61-3/4</td>
<td>58-1/4</td>
<td>20</td>
<td>3 or 4</td>
<td>138</td>
</tr>
<tr>
<td>GW8 50 BCT</td>
<td>50</td>
<td>48</td>
<td>81</td>
<td>0.62</td>
<td>40,000</td>
<td>37,000</td>
<td>41</td>
<td>60-3/4</td>
<td>57-1/4</td>
<td>21</td>
<td>3 or 4</td>
<td>148</td>
</tr>
<tr>
<td>GW8 50 RCT*</td>
<td>50</td>
<td>48</td>
<td>84</td>
<td>0.61</td>
<td>50,000</td>
<td>45,000</td>
<td>43</td>
<td>60-3/4</td>
<td>57-1/4</td>
<td>22</td>
<td>3 or 4</td>
<td>165</td>
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<tr>
<td>GW8 55 XCT*</td>
<td>55</td>
<td>55</td>
<td>83</td>
<td>0.62</td>
<td>60,000</td>
<td>54,000</td>
<td>45</td>
<td>59-3/4</td>
<td>55-1/4</td>
<td>24</td>
<td>4</td>
<td>185</td>
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<tr>
<td>Short Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GW8 40 BCS</td>
<td>40</td>
<td>38</td>
<td>67</td>
<td>0.59</td>
<td>40,000</td>
<td>36,000</td>
<td>41</td>
<td>51-1/2</td>
<td>48</td>
<td>22</td>
<td>3 or 4</td>
<td>135</td>
</tr>
<tr>
<td>GW8 50 BCS</td>
<td>50</td>
<td>50</td>
<td>81</td>
<td>0.62</td>
<td>40,000</td>
<td>40,000</td>
<td>43</td>
<td>53-1/4</td>
<td>49-3/4</td>
<td>24</td>
<td>3 or 4</td>
<td>177</td>
</tr>
</tbody>
</table>

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.
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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>BTU Input Natural Gas</th>
<th>Recovery @ 90°F Rise Gallon Per Hour</th>
<th>Dimensions in Inches</th>
<th>Height to Top of Draft Hood</th>
<th>Height to Top of Tank</th>
<th>Diameter</th>
<th>Draft Hood</th>
<th>Approx. Shipping Weight (lbs)</th>
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<tbody>
<tr>
<td>Tall Models</td>
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<tr>
<td>GW8 40 BRUT</td>
<td>40</td>
<td>38</td>
<td>72</td>
<td>0.55</td>
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<td>41</td>
<td>Height to Top of Draft Hood</td>
<td>Height to Top of Tank</td>
<td>Diameter</td>
<td>Draft Hood</td>
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<td>40,000</td>
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<td>57-1/4</td>
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<td>Short Models</td>
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<td>47-3/4</td>
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<td>3 or 4</td>
<td>138</td>
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</tbody>
</table>

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.).
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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating Gallon</th>
<th>UEF</th>
<th>Recovery @ 90°F Rise Gallon Per Hour</th>
<th>Element Wattage 240V Standard</th>
<th>Maximum</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
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</thead>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>EN8 40 DORT</td>
<td>40</td>
<td>36</td>
<td>53</td>
<td>0.92</td>
<td>21</td>
<td>4500</td>
<td>6000</td>
<td>61-1/4</td>
<td>53-1/4</td>
</tr>
<tr>
<td>EN8 50 DORT</td>
<td>50</td>
<td>46</td>
<td>62</td>
<td>0.92</td>
<td>21</td>
<td>4500</td>
<td>6000</td>
<td>60-1/2</td>
<td>51-1/4</td>
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<tr>
<td>EN8 55 DORT</td>
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<td>55</td>
<td>72</td>
<td>0.93</td>
<td>21</td>
<td>4500</td>
<td>6000</td>
<td>56-1/2</td>
<td>48-1/2</td>
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<td>Short Models</td>
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<tr>
<td>EN8 40 DORS</td>
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<td>0.92</td>
<td>21</td>
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<td>6000</td>
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<td>40-3/4</td>
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<td>EN8 50 DORS</td>
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<td>57</td>
<td>0.92</td>
<td>21</td>
<td>4500</td>
<td>6000</td>
<td>49-3/4</td>
<td>40-3/8</td>
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</tbody>
</table>

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

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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gallon Capacity</th>
<th>Rated Storage Volume (Gallons)</th>
<th>First Hour Rating</th>
<th>UEF</th>
<th>BTU Input Natural Gas</th>
<th>BTU Input Propane Gas</th>
<th>Recovery 90°F Rise Gallon Per Hour</th>
<th>Height to Top of Draft Hood</th>
<th>Height to Top of Tank Diameter</th>
<th>Draft Hood</th>
<th>Approx. Shipping Weight (lbs)</th>
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<tr>
<td>Tall Models</td>
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<tr>
<td>1GS 30 ORBT</td>
<td>30</td>
<td>29</td>
<td>69</td>
<td>0.61</td>
<td>35,500</td>
<td>32,000</td>
<td>37</td>
<td>61-1/2</td>
<td>58</td>
<td>16</td>
<td>3 or 4</td>
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<tr>
<td>GS 30 OCT</td>
<td>30</td>
<td>29</td>
<td>69</td>
<td>0.60</td>
<td>35,500</td>
<td>32,000</td>
<td>37</td>
<td>61-1/2</td>
<td>58</td>
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<td>3 or 4</td>
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<td>1GS 40 OCT</td>
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<td>0.61</td>
<td>35,500</td>
<td>N/A</td>
<td>38</td>
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<td>58-1/4</td>
<td>20</td>
<td>3 or 4</td>
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<tr>
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<td>0.65</td>
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<td>58-1/4</td>
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<td>36,000</td>
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<td>81</td>
<td>0.62</td>
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<td>37,000</td>
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<td>60-3/4</td>
<td>57-1/4</td>
<td>21</td>
<td>3 or 4</td>
</tr>
<tr>
<td>GS 50 BCT*</td>
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<td>48</td>
<td>84</td>
<td>0.62</td>
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<td>37,000</td>
<td>43</td>
<td>60-3/4</td>
<td>57-1/4</td>
<td>22</td>
<td>3 or 4</td>
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<tr>
<td>GS 50 RCT*</td>
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<td>89</td>
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<td>45,000</td>
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<td>60-3/4</td>
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<td>22</td>
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<td>1GS 50 XCT*</td>
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<td>99</td>
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<td>54,000</td>
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<td>61</td>
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<td>GS 55 XCT*</td>
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<td>55-1/4</td>
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</tbody>
</table>

| Short Models |                        |                               |                  |    |                      |                      |                                   |                          |                               |           |                            |
|--------------|                        |                               |                  |    |                      |                      |                                   |                          |                               |           |                            |
| 1GS 30 ORBS  | 30                     | 28                            | 68               | 0.58| 35,500               | 32,000               | 37                  | 50                                   | 46-1/2                   | 18                           | 3 or 4    | 110                         |
| GS 30 OCS    | 30                     | 28                            | 66               | 0.59| 35,500               | 32,000               | 36                  | 50                                   | 46-1/2                   | 20                           | 3 or 4    | 118                         |
| 1GS 40 BRBS  | 40                     | 38                            | 68               | 0.57| 40,000               | 36,000               | 41                  | 51-1/2                               | 48                         | 20                           | 3 or 4    | 134                         |
| GS 40 BCS    | 40                     | 38                            | 67               | 0.59| 40,000               | 36,000               | 41                  | 51-1/2                               | 48                         | 22                           | 3 or 4    | 135                         |
| GS 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. I *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 “5” 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.
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

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.
- 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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>BTU Input Natural Gas</th>
<th>Recovery @ 90°F Rise Gallon Per Hour</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>Tall Models</td>
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<td></td>
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<td>29</td>
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<td>0.59</td>
<td>33,000</td>
<td>34</td>
<td>61-3/4</td>
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<td>GS6 40 BRUT</td>
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<td>38</td>
<td>72</td>
<td>0.55</td>
<td>40,000</td>
<td>41</td>
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<td>58-1/4</td>
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<td>GS6 40 BCUT</td>
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<td>38</td>
<td>81</td>
<td>0.64</td>
<td>40,000</td>
<td>41</td>
<td>62</td>
<td>58-1/4</td>
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<td>GS6 50 BRUT</td>
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<td>84</td>
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<td>40,000</td>
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<td>60-3/4</td>
<td>57-1/4</td>
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<td>GS6 50 BCUT</td>
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<td>48</td>
<td>84</td>
<td>0.60</td>
<td>50,000</td>
<td>51</td>
<td>64</td>
<td>57-1/2</td>
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<tr>
<td>Short Models</td>
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<td></td>
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<tr>
<td>GS6 40 BCUS</td>
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<td>38</td>
<td>72</td>
<td>0.57</td>
<td>40,000</td>
<td>41</td>
<td>51-1/2</td>
<td>47-3/4</td>
</tr>
</tbody>
</table>

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.).
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.

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• 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.
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APPROVED FOR MANUFACTURED HOUSING
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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)

| Tall Models | EN6 30 DORT | 30 | 27 | 48 | 0.89 | 21 | 4500 | 6000 | 46-1/2 | 39-1/2 | 19 | 95 |
| EN6 40 DORT | 40 | 36 | 53 | 0.92 | 21 | 4500 | 6000 | 61-1/4 | 53-1/4 | 18 | 118 |
| EN6 50 DORT | 50 | 46 | 62 | 0.92 | 21 | 4500 | 6000 | 60-1/2 | 51-1/4 | 20-1/2 | 125 |
| EN6 55 DORT | 55 | 55 | 72 | 0.93 | 21 | 4500 | 6000 | 56-1/2 | 48-1/2 | 24 | 145 |

| Short Models | EN6 30 DOBS* | 30 | 27 | 50 | 0.90 | 21 | 4500 | 6000 | 39 | 30-1/2 | 20 | 95 |
| EN6 30 DORS | 30 | 27 | 47 | 0.89 | 21 | 4500 | 6000 | 39-3/4 | 30-1/2 | 22 | 94 |
| EN6 40 DORS | 40 | 37 | 55 | 0.92 | 21 | 4500 | 6000 | 49-3/4 | 40-3/4 | 20-1/2 | 109 |
| EN6 50 DORS | 50 | 46 | 57 | 0.92 | 21 | 4500 | 6000 | 49-1/4 | 40-3/8 | 23 | 161 |

| Lowboy Top Connect Models | EN6 20 SOLS | 19.9 | 19 | N/A | N/A | 21 | 4500 | 6000 | 30 | 21-1/4 | 20 | 65 |
| EN6 30 DOLBS* | 28 | 26 | 46 | 0.89 | 21 | 4500 | 6000 | 30 | 21-3/4 | 20 | 90 |
| EN6 30 DOLS | 28 | 26 | 46 | 0.90 | 21 | 4500 | 6000 | 30 | 21-3/4 | 22 | 115 |
| EN6 36 DOLS | 36 | 33 | 51 | 0.92 | 21 | 4500 | 6000 | 32 | 24 | 24 | 118 |
| EN6 40 DOLS* | 38 | 35 | 49 | 0.89 | 21 | 4500 | 6000 | 33 1/2 | 24 | 26 | 118 |
| EN6 50 DOLBS* | 48 | 44 | 60 | 0.93 | 21 | 4500 | 6000 | 34 | 25 | 26-1/2 | 172 |
| EN6 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.
EN6 20 SOLS is a single element configuration only.
Top T&P is not available on the 10 year lowboy models.
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.

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 Specifications

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

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.
FLAMMABLE VAPOR RESISTANT/DIRECT VENT SEALED COMBUSTION SYSTEM

DURABLE, ULTRA-LOW NOx 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.

¾” TOP WATER CONNECTIONS AND SIDE SPACE HEATING CONNECTIONS

½” 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 NOx 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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>BTU Input Per Hour</th>
<th>Recovery 90°F Rise Gallon Per Hour</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G66 40 UBDS L</td>
<td>40</td>
<td>28</td>
<td>52</td>
<td>0.60</td>
<td>36,000</td>
<td>39</td>
<td>Height to Top of Draft Hood: 65-1/4</td>
<td>3 and 5</td>
</tr>
<tr>
<td>G66 50 UBDT L</td>
<td>50</td>
<td>48</td>
<td>76</td>
<td>0.65</td>
<td>38,000</td>
<td>41</td>
<td>Height to Top of Tank: 50-1/2</td>
<td>22</td>
</tr>
</tbody>
</table>

No option available for top T&P valve.
All models have ¾” top water connections and come standard with side loop fittings.
All models are certified from sea level to 7,700 ft. elevations.
## 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.

## 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.

### Table: ProLine® Specialty Models

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume (Gallons)</th>
<th>First Hour Rating</th>
<th>Recovery @ 90°F Rise Gallons Per Hour</th>
<th>Dimensions in Inches</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Standard</td>
<td>Maximum</td>
<td>A</td>
</tr>
<tr>
<td>Compact Models</td>
<td>120V</td>
<td>240V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES6 6 SOMS K</td>
<td>6</td>
<td>6 N/A</td>
<td>N/A</td>
<td>1650</td>
<td>3000</td>
<td>8</td>
</tr>
<tr>
<td>ES6 10 SOMS K</td>
<td>10</td>
<td>9 N/A</td>
<td>N/A</td>
<td>1650</td>
<td>6000</td>
<td>8</td>
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<tr>
<td>ES6 20 SOMS K</td>
<td>19</td>
<td>17 N/A</td>
<td>N/A</td>
<td>2500</td>
<td>6000</td>
<td>11</td>
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<tr>
<td>ES6 20 SOMT K</td>
<td>19.9</td>
<td>18 N/A</td>
<td>N/A</td>
<td>2500</td>
<td>6000</td>
<td>11</td>
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<tr>
<td>Lowboy Side-Connect Model</td>
<td>240V</td>
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<tr>
<td>EN6 30 DOMS*</td>
<td>28</td>
<td>26 47</td>
<td>0.90</td>
<td>4500</td>
<td>6000</td>
<td>21</td>
</tr>
<tr>
<td>EN6 30 DOMS</td>
<td>28</td>
<td>26 43</td>
<td>0.91</td>
<td>4500</td>
<td>6000</td>
<td>21</td>
</tr>
<tr>
<td>EN6 40 DOMS*</td>
<td>38</td>
<td>35 57</td>
<td>0.94</td>
<td>4500</td>
<td>6000</td>
<td>21</td>
</tr>
<tr>
<td>EN6 40 DOMBSW*</td>
<td>38</td>
<td>35 38</td>
<td>0.91</td>
<td>4500</td>
<td>4000</td>
<td>18</td>
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<tr>
<td>EN6 40 DOMS</td>
<td>38</td>
<td>35 54</td>
<td>0.93</td>
<td>4500</td>
<td>6000</td>
<td>21</td>
</tr>
<tr>
<td>EN6 40 DOMSW</td>
<td>38</td>
<td>35 38</td>
<td>0.91</td>
<td>4500</td>
<td>4000</td>
<td>18</td>
</tr>
<tr>
<td>Table Top Model</td>
<td>240V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EN6 30 TOTT</td>
<td>38</td>
<td>35 55</td>
<td>0.90</td>
<td>4500</td>
<td>5500</td>
<td>21</td>
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<tr>
<td>Point-Of-Use-Models</td>
<td>120V</td>
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<tr>
<td>ES6-2-SMT</td>
<td>2.5</td>
<td>2.6 N/A</td>
<td>N/A</td>
<td>1440 @ 120V</td>
<td>7</td>
<td>14-1/2</td>
</tr>
<tr>
<td>ES6-4-SMT</td>
<td>4</td>
<td>3.8 N/A</td>
<td>N/A</td>
<td>1440 @ 120V</td>
<td>7</td>
<td>15-1/4</td>
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<tr>
<td>ES6-6-SMT</td>
<td>6</td>
<td>5.9 N/A</td>
<td>N/A</td>
<td>1440 @ 120V</td>
<td>7</td>
<td>20</td>
</tr>
</tbody>
</table>

*Models ship with a supplied insulation blanket.
Confidently select the right water heater for your floor plans with the help of an Xpert. With just a few quick questions, the Xpert Product Selection Tool evaluates State’s full range of product options against your installation, energy efficiency and usage requirements. The result is a custom selection of water heater recommended just for you.

To consult the Xpert, visit www.statewaterheaters.com/Xpert or download the State App.
To find a complete list of builder tools and resources, visit:

statewaterheaters.com/builders