



RESIDENTIAL PRODUCT CATALOG



www.americanwaterheater.com



American is proud to offer a full line of residential and commercial, gas and electric water heaters to meet the needs of the plumbing professional.

American is committed to being a reliable partner by providing well-built products and superior customer service. American's dedication to research, development, and sound engineering principles contribute to the consistent performance of the water heating products. Similarly, customer service remains a top priority at American, offering customers unmatched product support.

For more information about our products, please visit us online at americanwaterheater.com

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Commercial-Grade Components



Blue Diamond® Glass Coating

A patented commercial-grade formula that provides superior tank protection and corrosion resistance compared to the industry standard glass lining. Blue Diamond glass coating blend is formulated in the same lab that creates the protection for our commercial product line. Through our long history, we've learned that one size rarely fits all. That's why we customize our signature formula to best meet the needs of every water heater we produce, ensuring long life no matter which model you choose.



Coregard™ Anode Rod

Feature a stainless steel center core that allows the anode to be secured in place, extending the life of the tank. Stainless steel core technology is the same that is used in our commercial product line. ProLine® Master products have increased anode protection with either longer or multiple anodes, depending on model.



Self-Powered Electronic Gas Valve

American 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.



Enhanced-Flow Brass Drain Valve

Our residential water heaters have a solid brass, tamper resistant, enhanced flow, ball type, drain valve.

Designed for easy operation, it uses a standard female hose fitting that allows for fast and easy draining during maintenance. The valve also includes an integral screwdriver slot featuring 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

PEX cross-linked polymer dip tubes are long-lasting with superior resistance to destructive thermal deterioration and can withstand temperature excursions up to 400 degrees. PEX is the same material used in dip tubes found in our commercial product line.



Commercial-Grade Electric Elements

ProLine® Master electric products are outfitted with long-lasting stainless steel upper and lower elements that are modeled after those used in our commercial line.



Heat Trap Nipples

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

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 an American residential water heater with a first hour rating that meets your requirements.**



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

FAMILY SIZE	FIRST HOUR RATING REQUIREMENTS
2 People	38-49 Gallons
3 People	49-62 Gallons
4 People	62-74 Gallons
5 People	74-95 Gallons
6 People	95-124 Gallons
7 or More People	124 or more Gallons

Simple Tankless Sizing

TANKLESS MODELS GROUND WATER TEMPERATURE FACTOR

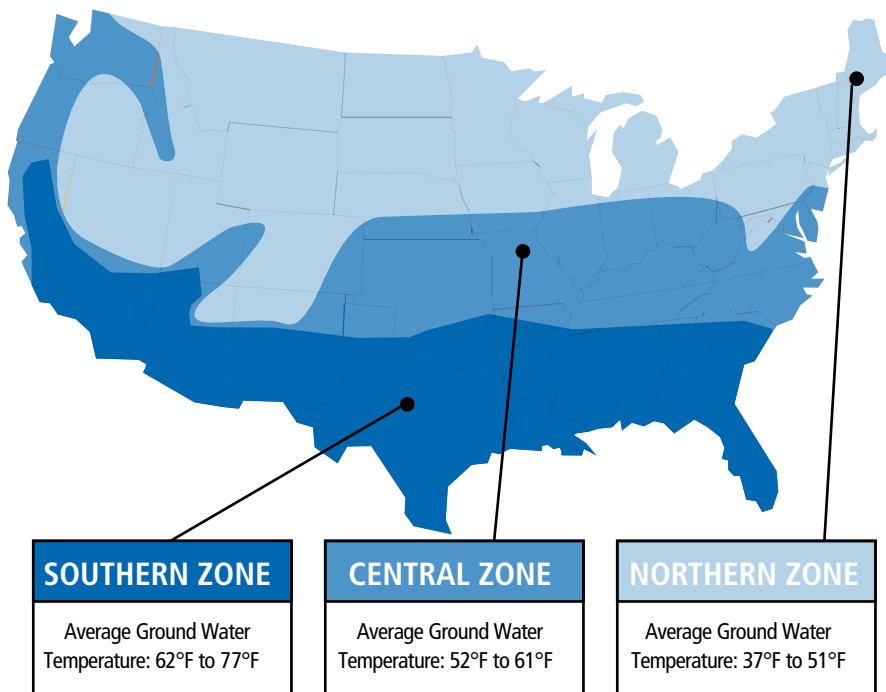
The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with the changing of the seasons. The temperature of water as it enters the water heater will determine the amount of "temperature rise" required to achieve the desired hot water 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 American 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.





Introducing the ProLine® Family of Commercial-Grade Residential Water Heaters



When it comes to building a tough commercial-grade water heater, the keys to success are outstanding components and superior manufacturing capabilities. We've combined these two important elements to create the ProLine® family of commercial-grade residential water heaters. This wholesale-channel exclusive will give American Water Heaters' contractors the ultimate advantage.

WHY PROFESSIONALS CHOOSE AMERICAN WATER HEATERS



**CONTRACTOR
REWARDS.COM**
Your Business. Your Choices. Your Rewards.

EARN POINTS BY PURCHASING AMERICAN WATER HEATERS

It's free and easy to participate. Enroll online at contractorrewards.com. Eligible products will have a yellow reward code label worth valuable points. Two ways to enter the codes:

1. Download the **Contractor Rewards** mobile app and scan the code.
2. Enter the code at contractorrewards.com.

Redeem your points on thousands of reward items.

**With over 1,000,000 merchandise items,
your reward choices are endless.**



AMERICAN PROVIDES 4 KEY THINGS TO HELP GROW YOUR BUSINESS AND BECOME MORE PROFITABLE.

1. Contractor Rewards™ Program

Our program rewards our loyal contractors for buying our products. Buy more and get rewarded with prizes.

2. Contractor Advertising Tools

Our Advertising Resource Center allows contractors to develop an easy, affordable and custom advertising campaign to promote their business. Go to www.americanwaterheater.com/ads.

3. Breadth of Product Line

Residential or commercial, we have the most complete line from standard models to the most innovative high efficiency water heaters available.

4. Product Sales Tools

We provide contractors access to the sales tools needed to close more sales.

Visit americanwaterheater.com/contractor to learn more.

Hers Index



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 American 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, American's full line of products gives

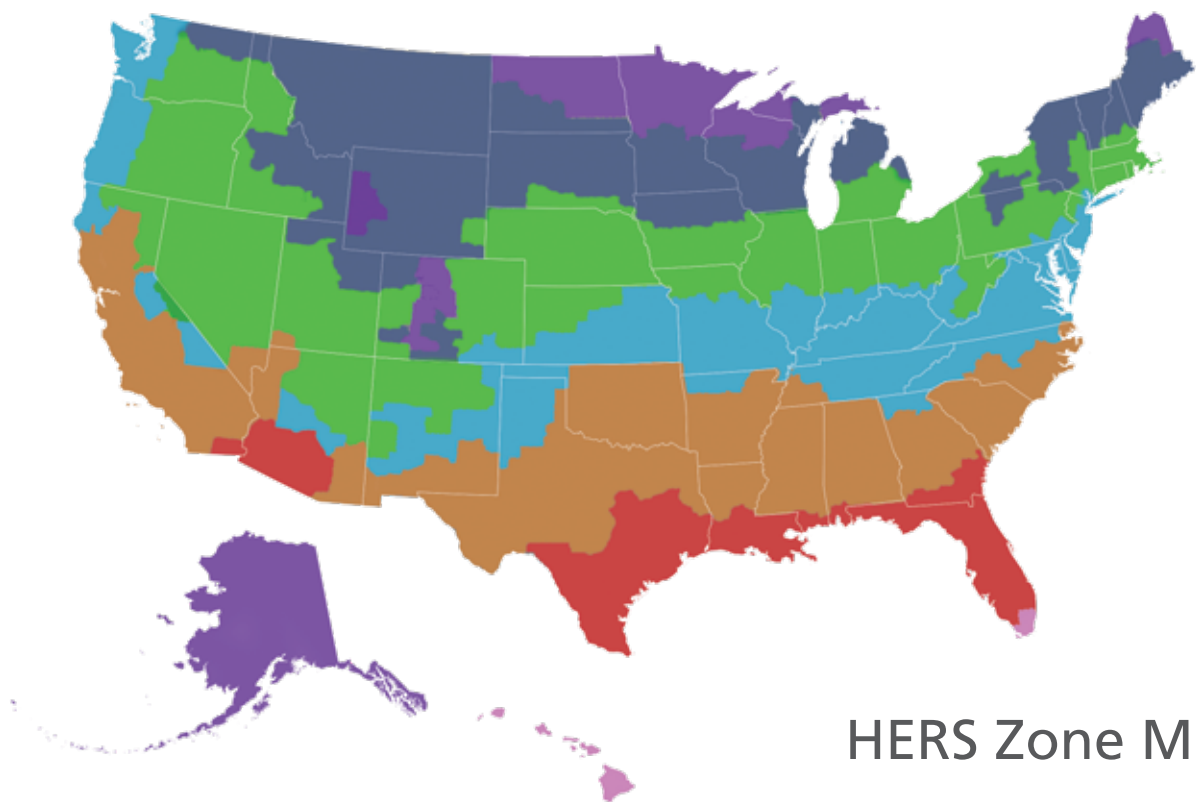


you the best opportunity to select units that provide added value and help achieve a lower HERS Index Rating. Include American ENERGY STAR® certified tankless gas or electric heat pump water heaters to build more efficient homes. These models can help you earn between 3 and 6 HERS index score points 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 <https://www.americanwaterheater.com/service-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@hotwater.com

How Do American Products Help Your HERS Rating



HERS Zone Map

Model	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7
Heat Pump							
50-gallon models	6	6	5	5	6	4	5
66-gallon models	6	6	4	5	6	4	5
80-gallon models	6	6	4	5	6	4	5
90%+ Efficiency							
VG8250T100MV	2	2	3	3	4	3	3
VG8275T100MV	3	3	3	3	4	3	3
VG6250T76NV	2	2	3	3	3	3	3
Tankless							
GT-540H-NIH	5	5	4	5	5	4	5
GT-510C-N	4	4	3	3	3	2	3
GT-510U-I-200	4	4	3	3	3	2	3
Powered Vent							
PDVG62-50T62-NV	1	2	2	2	2	2	2
PDVG62-50T45-NV	1	1	2	2	2	2	2
PDVG62-75T76-NV	2	2	1	2	1	1	1
PVG62-40S40-NVS	2	2	2	2	2	1	2
PVG62-50S40-NVS	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 americanwaterheater.com/builders

Residential Gas Water Heaters

Premium Features. Commercial-Grade Components.

PREMIUM FEATURES:

ProLine®

ProLine®
Master

ProLine® XE

Gas Water Heaters



Operating Cost

\$ \$ \$

\$ \$ \$

\$

Installation Space Required

■ to ■ ■

■ ■

■ ■ ■

Warranty (Years)

6

8

6-10

Commercial-Grade Components

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

•*

Electronic User Interface

•

High Efficiency Performance

•

Best-In-Class Material and Technology

•

Industry-Leading Efficiency

•

Flexible Venting for more Install Options

•

*Some Models Not Eligible

Benefits that homeowners love

Nautilus™ Power Vent



Energy Star® Qualified

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water
- High efficiency operation with 0.88 UEF (94% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater

Power Vent Design for Installation Versatility

- Helical internal heat exchanger achieves 94% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater
- Power vent using PVC, CPVC, ABS or Polypropylene either thru-the-wall or thru-the-roof

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 diagnostics capabilities plus extremely precise temperature controls

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 IBC 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 americanwaterheater.com



**INTELLI-VENT™ IS A REGISTERED TRADEMARK OF EMERSON ELECTRIC COMPANY

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	
VG6250T76NV	50	48	124	0.88	94%	95%	76,000	68-3/4	22	225

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 (part number 100112380).

Nautilus™ Power Direct Vent



ENERGY STAR® Qualified

AiQ Adaptive Gas Control

- Runs on natural gas OR liquid propane

Powered Anode

Leak Detection Module

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water
- High efficiency operation with up to 0.88 UEF (96% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater

Power Direct Vent Design

- Power Direct vent using PVC, CPVC or Polypropylene either thru-the-wall or thru-the-roof
- Optional concentric vent and low profile termination kits are available

Ultra-Low NOx

- 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

Side-Mounted Taps For Recirculating Systems

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

Code Compliance

- Meets IBC 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

8-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
							Height to Top of Heater	Diameter	
VG8250T100MV	50	49	118	0.87	96%	100,000	66-3/4	22	255
VG8275T100MV	75	74	150	0.86	96%	100,000	65-3/4	27-3/4	388

Models certified for sea level to 10,100 ft. elevation.

Optional condensate neutralizer kit available (part number 100289338).



ADVANCED ELECTRONIC CONTROL

- Precise temperature control
- Built-in diagnostics and operational information

CONDENSING DESIGN

- High efficiency operation with up to 0.90 Uniform Energy Factor to save money on operating costs

HELICAL INTERNAL HEAT EXCHANGER

- Spiral heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle
- Positioned in the center of the tank for more even heat distribution
- Spiral design reduces lime scale formation on the heat exchanger to maintain high efficiency operation over time

POWER VENT AND POWER DIRECT VENT WITH A SINGLE DESIGN

- Combined vertical and horizontal runs terminating through an outside wall. Vents using PVC, CPVC, or polypropylene pipe.
- 2" pipe, vents up to 60 equivalent feet
- 3" pipe, vents up to 150 equivalent feet

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows Vertex HV to be installed as part of combination space heating/water heating applications

AVAILABLE IN NATURAL GAS AND PROPANE

DESIGN-CERTIFIED BY CSA

- 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 americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
							Height to Top of Heater	Diameter	
PCG82-40S50L	40	39	86	0.90	93%	50,000	44-7/8	22	216
PCG82-50S65L	50	48	118	0.90	93%	65,000	54-1/4	22	246

Top Inlet and outlet connections: 3/4" male NPT

Circulation loop connections: 3/4" female NPT

Models certified for sea level to 10,100 ft. elevation.

Optional Condensate Neutralizer Kit available (Part Number 100112380).

Optional Powered Anode Kit available (Part Number 100305721).

Polaris® High Efficiency



ENERGY STAR® Qualified

Stainless Steel Construction

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

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water
- High efficiency operation with up to 0.90 UEF (96% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater
- Modulating burner maintains high efficiency operation at lower input rates

Ultra-Low NOx

- Meets IBC and ICC National Codes

Power Direct Vent Design

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

Quiet Operation

- Quiet blower and burner minimize noise

Optional Concentric Vent Kit

Advanced Electronic Control

- Exclusive touch display control system
- Precise temperature control
- Built-in diagnostics and operational information

Code Compliance

- Meets IBC 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 10-Year Limited Parts Warranty

- For complete information, consult written warranty or go to americanwaterheater.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	Diameter	
PG10 34 100 2NV	34	33	179	0.90	96%	129	100,000	2 OR 3	48-1/2	22	150
PG10 34 130 2NV	34	N/A	N/A	N/A	96%	165	130,000	2 OR 3	48-1/2	22	150
PG10 34 150 2NV	34	N/A	N/A	N/A	94%	190	150,000	2 OR 3	48-1/2	22	150
PG10 50 130 2NV	50	N/A	N/A	N/A	95%	165	130,000	2 OR 3	62-3/8	22	176
PG10 50 150 2NV	50	N/A	N/A	N/A	95%	190	150,000	2 OR 3	63-3/4	22	180
PG10 50 175 3NV	50	N/A	N/A	N/A	96%	222	175,000	3	63-3/4	22	180
PG10 50 199 3NV	50	N/A	N/A	N/A	96%	253	199,000	3	63-3/4	22	180

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

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 runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene)

Quiet and Efficient Blower

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

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

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 IBC & ICC National Codes

6-Year Limited Tank and Parts Warranty

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



Model Number	Series	Nominal Capacity	Rated Storage Volume	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Gallon Per Hour	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lb)
								Height to Top of Blower	Height to Top of Tank	Diameter	
PVG62-40S40-NVS	200	40	38	0.67	45	40,000	72	59	49-5/8	22	174
PVG62-40T50-NVS	200	40	38	0.70	56	50,000	93	68-1/2	59-1/4	20	176
PVG62-50S40-NVS	200	50	49	0.72	45	40,000	93	60-1/8	50-3/4	24	198
PVG62-50T50-NVS	200	50	48	0.72	56	50,000	96	68-1/8	58-3/4	22	192
PVG62-50S62-NVS	200	50	50	0.73	69	62,000	108	61-1/8	52	24	212
†PVG62-75T76-NV	210	75	72	0.69	80	76,000	N/A	70-5/8	61-1/4	26	277

Available in propane (LP) gas. Specify when ordering propane (LP) gas.
Side connections are standard on PVG62-50S62-NVS and PVG62-75T76-NVS.
All models certified from sea level to 10,100 ft. elevation.

ProLine® XE Non-Condensing Power Direct Vent



Power Direct Vent Design

- Combined horizontal and vertical 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

Quiet and Efficient Blower

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

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 ICC & IBC 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

Design-Listed By CSA Group

- 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 americanwaterheater.com



Model Number	Series	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	NG Input Per Hour Propane	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	
PDVG62-40S40-NV	200	40	38	74	0.68	40,000	45	58-1/4	49-5/8	22	174
PDVG62-50T45-NV	200	50	48	81	0.72	45,000	50	67-1/2	58-3/4	22	192
PDVG62-50T62-NV	200	50	48	118	0.73	62,000*	73	69	60-1/4	22	200
PDVG62-75T76-NV	210	75	72	129	0.68	76,000	82	70-5/8	61-1/2	26	277

**Propane model has input of 58,000 BTU/hr.

Available in propane (LP) gas. Specify when ordering propane (LP) gas.

Side connections standard on 50T62 and 75T76 models.

Side connections available on 40S40 and 50T45 models.

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

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 gas 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 IBC & 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

Design-Certified By CSA Group

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

6-Year Limited Tank and Parts Warranty

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



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating Gallon	UEF	BTU Input Gallon Per Hour Natural*	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 Outlet	
Tall Models											
FDG62-40T40-3NOV	40	38	70	0.64	40,000	42	64-1/4	58-1/4	20	3 OR 4	152
FDG62-50T40-3NOV	50	48	84	0.69	40,000	42	63-1/2	57-1/4	22	3 OR 4	167
Short Models											
FDG62-40S40-3NOV	40	38	65	0.66	40,000	42	54	47-3/4	22	3 OR 4	149
*FDG62-50S40-3NOV	50	49	78	0.69	40,000	42	55-3/4	49-1/2	24	3 OR 4	175

Requires 120V AC power supply.

Water connection is 3/4" on all models.

When ordering top-mounted T&P, change suffix to NO (example: FDG62-50S40-3NO).

*FDG62-50-40-3NOV available in natural gas only. All other models available in propane (LP) gas.

All models are certified to 10,100 ft. elevation.

Available in propane (LP) gas. Specify when ordering propane (LP) gas.

ProLine® XE Non-Condensing Ultra-Low NOx Flue Damper



Automatic Flue Damper

- Automatic flue damper increases efficiency to provide maximum household annual operating cost savings

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 10ng/J

Electronic Gas Control

Self-Cleaning Dip Tube

Coregard™ Anode Rod

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Requires 120V power 19.5' cord included

Code Compliance

- Meets IBC & 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

CSA and Design-Certified by CSA Group

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to AANSI 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 americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90F Rise (Gallon/Hour)	Dimensions in Inches					Approx. Shipping Weight
							Foam Thickness	Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood Outlet	
GUF-62-40T40	40	38	68	0.65	40,000	42	2	64-1/4	58-1/4	20	3 or 4	152
GUF-62-50T40	50	48	83	0.70	40,000	42	2	63-1/2	57-1/4	22	3 or 4	167

Requires 120VAC power supply located within 19ft of the heater.
 Water connection is 3/4" on all models.
 Standard top T&P, specify when ordering side T&P.
 All models are certified from sea level to 7,800ft elevation.

ProLine® XE 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 standard 3-prong male connector provided. Electrical requirements; 110/120 VAC power source, less than 5 amp draw

Self-Cleaning Dip Tube

- Reduces 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 IBC & 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 americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Gallon Per Hour	Dimensions in Inches			Approx. Shipping Weight (lbs)
							Height to Top of Blower	Height to Top of Tank	Diameter	
UPVG62-40T42-NV	40	38	76	0.70	42.6	42,000	20	66-7/8	58-5/8	170
UPVG62-50T42-NV	50	48	71	0.65	42.6	42,000	22	65-5/8	57-7/16	207

No option available for top T&P valve.

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 G82-55T60

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 Nipple

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 iBC & 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

Design-Certified By CSA Group

- 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 americanwaterheater.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												
G82-40T40R	40	38	80	0.64	40,000	36,000	42	61-3/4	58-1/4	20	3 OR 4	138
G81-50T40R	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 OR 4	148
G82-50T40R	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 OR 4	165
G82-50T50*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
G82-55T60*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
G82-40S40R	40	38	67	0.58	40,000	36,000	41	51-1/2	48	22	3 OR 4	135
G82-50S40	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. All models available in propane (LP) gas.

*Optional side-mounted recirculating taps.

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 Factor (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 IBC & 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

Design-Certified by CSA Group

- 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 americanwaterheater.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											
GU81-40T40R	40	38	72	0.55	40,000	41	62	58-1/4	18	3 OR 4	125
GU82 40T40R	40	38	81	0.64	40,000	41	62	58-1/4	20	3 OR 4	125
GU81-50T40R	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 OR 4	148
GU82 50T40R	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 OR 4	148
GU82 50T50*	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177
Short Models											
GU82 40S40	40	38	72	0.57	40000	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.

*Side loop connections are standard on model GU82-50T50.

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

ProLine® High Capacity Atmospheric Vent



Highest Recoveries

- Capacity/input combinations up to 98 gallons/75,000 BTU's to produce recoveries of up to 81 gallons per hour

The Electronic Gas Control Incorporates An LED Status Indicator That Monitors System Operation And Service Diagnostics

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

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC & 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

Design-Certified by CSA Group

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.3 CSA 4.3 standards governing storage tank type gas water heaters

Maximum Hydrostatic Working Pressure 150 PSI

Design-Listed By Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.3 CSA 4.3 standards governing storage tank-type water heaters

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	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	
G62-75T75-4NOV	74	71	0.60	125	75,100	81	61	58-1/2	26-1/2	4	270
G62-100T77-4NOV	98	95	0.58	170	75,100	81	68-1/2	66-1/2	27-3/4	4	340

Water connection is 1" male NPT on the G62-100T77-4NOV and 1-1/4" on the G62-75T75-4NOV.

For 10-year tank & 10-year parts limited warranty, change "6" to "10" in the model number (example: G102-75T75-4NOV).

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

All models available in propane (LP) gas. Specify when ordering.

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 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™ Andode Rod

Push Button Piezo Ignitor

Heat Trap Nipples

Code Compliance

- Meets IBC & 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

Design-Certified by CSA Group

- 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 americanwaterheater.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 Vent	Height to Top of Tank	Diameter	Vent Outlet	
DVG62-40S38-NOV	40	39	64	0.60	38,000	41	64	49-3/4	22	CO-AXIAL	178
DVG62-50T40-NOV	50	48	77	0.66	40,000	43	73	59	22	CO-AXIAL	200
DVG62-50T47-NOV	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.

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 40S38-NOLV.

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 G62-50T62 and G62-55T60

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 IBC & 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

Design-Certified by CSA Group

- 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 americanwaterheater.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												
†GB61-30T32R	30	29	62	0.60	32,000	29,000	32	60 1/2	57	16	3 OR 4	123
G62-30T32R	30	29	62	0.60	32,000	29,000	31	60 1/2	57	18	3 OR 4	108
G62-40T35R	40	39	65	0.59	35,500	N/A	38	61 3/4	58 1/4	20	3 OR 4	138
†GB61-40T40	40	38	78	0.65	40,000	36,000	41	61-3/4	58-1/4	18	3 OR 4	130
G62-40T40R*	40	38	80	0.64	40,000	36,000	41	61-3/4	58-1/4	20	3 OR 4	138
G61-50T40R*	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 OR 4	148
G62-50T40R*	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 OR 4	165
G62-50T50*	50	48	89	0.61	50,000	45,000	58	60-3/4	57-1/4	22	4	165
†G62-50T60*	50	49	99	0.61	60,000	54,000	61	65-1/2	61	22	4	190
G62-55T60*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
†GB61-30S32R	30	29	65	0.60	32,000	29,000	32	50 1/4	46 3/4	18	3 OR 4	114
G62-30S32R	30	29	55	0.60	29,000	29,000	32	50 1/4	46 3/4	20	3 OR 4	108
†GB61-40S40	40	38	68	0.57	40,000	36,000	41	51-1/2	48	20	3 OR 4	134
G62-40S40R	40	38	67	0.58	40,000	36,000	41	51-1/2	48	22	3 OR 4	135
G62-50S40	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. All models available in propane (LP) gas. | †Models ship with supplied insulation blanket.

For 10-year tank & 10-year parts limited warranty, change "6" to "10" in the model number. Example: G102-40T40R. | *Optional side-mounted recirculating taps.

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

ProLine® Mobile Home Atmospheric Vent



Complies with HUD Standards for Manufactured Housing Installation

Gas Control Convertible for Natural and Propane Gas

- For flexibility to meet the varying needs of manufactured housing installations

Top Water Connections (3/4" male)

Green Choice® Gas Burner

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

Coregard™ Anode Rod

Blue® Diamond Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, ICC 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

Design-Certified by CSA Group

- 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

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 americanwaterheater.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Per Hour Natural Gas	BTU Input Per Hour Propane Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches			Draft Hood Outlet	Approx. Shipping Weight (lbs)
								Height to Top of Draft	Height to Top of Tank	Diameter		
MHG62-30T35R	30	29	63	0.61	35,500	32,000	36	61-1/2	58	18	3 OR 4	129
MHG62-40T35R	40	38	59	0.58	35,500	32,000	36	61-3/4	58-1/4	20	3 OR 4	153

All models ship from the factory for use with natural gas. A complete propane (LP) burner is supplied for converting to propane gas.

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

No option available for top T&P.

ProLine® Mobile Home Direct Vent



Complies With HUD Standards for Manufactured Housing Installation

Gas Control Convertible for Natural and Propane Gas

- For flexibility to meet the varying needs of manufactured housing installations

Direct Vent Models Package with Bottom Intake Air Vent

- To draw all combustion make-up air from outside the structure

Optional Ducted Air Inlet Kit for Direct Vent Models

- For use when water heater is installed over a basement
- Provisions for horizontal air inlet ducting

Side-Mounted 3/4" Cold Water Inlet

Green Choice® Gas Burner

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

Self-cleaning dip tube

Coregard™ Anode Rod

Enhanced-Flow Brass Drain Valve

Blue Diamond® Glass Coating

Code Compliance

- Meets IBC, 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

Design-Certified by CSA Group

- 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

CSA Certified and ASME Rated T&P Relief Valve

6-Year Limited Tank and 2-Year Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Btu Input Per Hour Natural Gas	Btu Input Per Hour Propane	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Vent Connction	Height to Top of Tank	Diameter	Vent Outlet	
MHDV-62-30T30-3NV	30	29	60	0.61	30,000	29,000	31	61	58	18	3	129
MHDV-62-40T32-3NV	40	38	57	0.59	32,000	29,000	33	61-3/4	58-3/4	20	3	153
MHDV-62-50T40-3NV	50	47	67	0.56	40,000	37,000	39	60	57	22	3	168

All models ship from the factory for use with natural gas, a complete propane burner is supplied for converting to propane gas.

No option available for top T&P.

Water connections-3/4" on all models.

All models approved for installation from sea level to 5,400 ft. elevation.

ProLine® Ultra-Low NOx



The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics

High Uniform Energy Factor (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 IBC & 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

Design-Certified by CSA Group

- 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

CSA Certified and ASME Rated T&P Relief Valve

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating Gallon	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											
GU61-30T30	30	29	62	0.59	33,000	34	61-3/4	58	16	3 OR 4	108
GU61-40T40R	40	38	72	0.55	40,000	41	62	58-1/4	18	3 OR 4	125
GU62-40T40R	40	38	81	0.64	40,000	41	62	58-1/4	20	3 OR 4	125
GU61-50T40R	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 OR 4	148
GU62-50T40R	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 OR 4	148
GU62-50T50	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177
Short Models											
GU62-40S40	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.

*Side loop connections are standard on model GU62-50T50.

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

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

ProLine® Ultra-Low NOx Direct Vent



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

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 NOx emissions of less than 10 ng/J

Code Compliance

- Meets IBC & 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

CSA Certified and ASME Rated T&P Relief Valve

Design-Certified by CSA Group

- 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 americanwaterheater.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	
DVUG62-40S36-NV	40	28	52	0.60	36,000	39	65-1/4	50-1/2	22	3 and 5	179
DVUG62-50T38-NV	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® Ultra-Low NOx High Capacity



Fully Automatic Controls with Safety Shutoff

Heavy Gauge Steel Jacket

Blue Diamond® Glass Coating

Foam Insulation

Ultra-Low NOx Emissions

- Complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/J or 20 ppm

Easy-to-Install

- Completely factory-assembled. Only gas, water and vent connections need to be made. All connections are located in front and top of heaters for ease-of-installation and service

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

Maximum Pressure

- 150 psi.

Maximum Gas Inlet Pressure

- 14" W.C.

Code Compliance

- The Ultra-Low NOx atmospheric vent residential gas water heater meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition ASHRAE/IES 90.1

Design-Certified by CSA Group

- 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

CSA Certified and ASME Rated T&P Relief Valve

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery at 90°F Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches			Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Depth	Diameter	
UG62-75T75-4NV**	74	71	102	0.64	81	75,100	62-1/16	29-1/2	25-1/4	285 LBS
UG62-100T75-4NV†*	98	95	120	0.58	82	75,100	70-1/2	30-15/16	27-3/4	350 LBS

*Recovery rating based on 81% thermal efficiency.

**Recovery rating based on 80% thermal efficiency.

† The UG62-75T75-4NV comes standard with side loop fittings for use with hydronic heating applications. For 10-year tank & 10-year parts limited warranty, change "6" to "10" in the model number. Example: UG102-75T75-4NV.

Residential Electric Water Heaters

Premium Features. Commercial-Grade Components.

PREMIUM FEATURES:

ProLine®

ProLine®
Master

ProLine® XE



Electric Water Heaters

Operating Cost		\$\$\$	\$\$\$	\$
Installation Space Required		■ to ■■	■■	■■■
Warranty (Years)		6	8	10
Benefits that homeowners love Commercial-Grade Components	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			●
	Industry-Leading Efficiency			●
	Best-In-Class Material and Technology			●

*Some Models Not Eligible

Hybrid Electric Heat Pump MAX with Anti-Leak Technology



Exceptional Energy Efficiency

- Improved efficiency up to 3.88 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 75%*
- Heat pump can work down to 37°F ambient for more days of high efficiency operation

More Hot Water

- Choose from three Hot Water+ levels for up to 40% more hot water than a standard heat pump
- Guest Mode provides maximum hot water for up to seven days
- Innovative digital smart valve

iCOMM® Smart Connectivity

- Monitor and control your water heater through the free iCOMM™ 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

Leak Protection Technology

- Smart anode adapts to local water conditions to protect and extend the life of the water heater
- Controls regulate depletion of the anode to extend the life of the anode allowing superior tank protection far longer than standard anode rods
- User is notified when the anode is consumed and needs to be replaced
- Smart sensor leak detection and automatic water shutoff for added peace of mind and enhanced protection

Whisper Quiet Operation at 45 dBA

- No vibration isolation kit required

Flexible Design

- Contractor preferred top water connections
- Zero clearance required on sides and back to fit in tighter spaces
- 450 ft³ space requirement is lower than other heat pump water heaters plus integrated ducting adapters for easy installation in smaller spaces
- Ideal for basements, utility rooms or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air

10-Year Limited Warranty

- For complete information, consult written warranty or americanwaterheater.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	Diameter	
HPA10240H045DV	40	36	3.60	55	64.75	20	191
HPA10250H045DV	50	46	3.68	65	63	22	196
HPA10266H045DV	66	68	3.84	83	61.5	26.5	284
HPA10280H045DV	80	81	3.88	95	69	26.5	302

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

Hybrid Electric Heat Pump AL with Anti-Leak Technology



Leak Protection Technology

- Our Coregard™ 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
- 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 iCOMM 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 or 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 Warranty

- For complete information, consult written warranty or americanwaterheater.com

*Comparing 80-gallon Heat Pump AL 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	
HPS10250H045DV	50	46	3.80	65	63	40-1/2	22	196
HPS10266H045DV	66	67	3.70	82	61-1/2	38-1/4	26-1/2	284
HPS10280H045DV	80	82	3.88	95	69	46-1/2	26-1/2	302

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

Hybrid Electric Heat Pump 120V



Easy Installation

- Simply plugs into a standard 120 volt wall outlet (certified for use on a shared circuit)
- Contractor preferred top water connections for easy replacement of a gas water heater
- 450 ft³ space requirement is lower than other heat pump water heaters (plus there are a variety of options for installation in smaller spaces)
- Zero clearance required on sides and back to fit in tighter spaces
- Integrated ducting adapters for easy installation in confined spaces

Whisper Quiet Operation at 45 dBA

- No vibration isolation kit required

Leak Protection Technology

- Our Coregard™ Andoe Rod have a stainless steel core that extend the life of the anode rod allowing superior tank protection far longer than standard anode rods
- Smart sensor leak detection and automatic water shutoff for added peace of mind and enhanced protection

Easy to Control

- Digital control to easily set outlet water temperature
- No manual mixing valve to adjust or service
- Integrated iCOMM™ smart connectivity through Wi-Fi and Bluetooth
- Monitor and control your water heater through the free iCOMM™ app
- If applicable download the Time of Use schedule of your local electric utility to prioritize heating when the rates are most affordable

Lower GWP Refrigerant

- Utilizes R-513A refrigerant for a smaller carbon footprint
- 56% lower global warming potential** than the standard refrigerant used in other residential heat pump water heaters

High Efficiency Heat Pump Operation

- Up to 3.2 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 35%*
- Heat pump can work down to 37°F

10-Year Limited Warranty

- For complete information, consult written warranty or americanwaterheater.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	Diameter	
HPV10250H009DV	50	46	3.0	52	67.75	22	196
HPV10266H009DV	66	68	3.2	76	61.5	26.5	289
HPV10280H009DV	80	82	3.0	93	69	26.5	307

Top T&P option not available.

ProLine® XE High Efficiency 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 Uniform Energy Factor Rating conserves energy and meets ENERGY STAR® qualifications

Dual Voltage Capable

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

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 during extended absence

Backup Electric Elements

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

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 Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.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	
HPHE10250H045DVN	50	46	3.45	66	63	40-5/8	22	196
HPHE10266H045DVN	66	67	3.45	79	61	38	27	289
HPHE10280H045DVN	80	82	3.45	86	69	46	27	307

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

ProLine® XE High Efficiency 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 Uniform Energy Factor Rating conserves energy and meets ENERGY STAR® qualifications

Dual Voltage Capable

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

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 modes

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 Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.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	
HPHE6250H045DV	50	46	3.42	66	63	40-5/8	22	196
HPHE6266H045DV	66	67	3.35	79	61	38	27	289
HPHE6280H045DV	80	82	3.45	84	69	46	27	307

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

ProLine® Master Electric Grid-Capable



Electronic Controls with WIFI Connectivity

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

Remote Control Through the iCOMM 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
- Meets state of WA and OR requirements

8-Year Limited Tank and Parts Warranty

- 4 year warranty extension available
- For complete information, consult written warranty or americanwaterheater.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	A	B	C	
Tall Models											
EEA8F-40H	40	36	63	0.93	25	5500	5500	60-1/4	53-1/4	20	106
EEA8F-50H	50	45	74	0.92	25	5500	5500	59	51-1/4	20-1/2	109
EEA8F-55H	55	55	75	0.94	25	5500	5500	56-1/2	48-1/2	24	145
Short Models											
EEA8F-40R	40	37	64	0.92	25	5500	5500	49-3/4	40-3/4	20-1/2	95
EEA8F-50R	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. 208 volt only available with 4,500 watt elements.

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 Standard



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

Self-Cleaning Dip Tube

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 IBC, 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

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 UL 174 standards governing storage tank-type electric water heaters

CSA Certified and ASME Rated T&P Relief Valve

8-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.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	Minimum	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models												
E8N-40H	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
E8N-50H	50	46	62	0.92	21	4500	3000	6000	59	51-1/4	20-1/2	125
E8N-55H	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
E8N-40R	40	37	55	0.92	21	4500	4500	6000	50	50	20-1/2	109
E8N-40RW	40	37	41	0.88	18	-	1000	4000	50	50	20-1/2	109
E8N-50R	50	46	57	0.92	21	4500	2500	6000	49-3/4	49-3/4	23	161

Male 3/4" water connections on 8" center.

Models requiring a lower wattage than what is listed in the minimum wattage column and showing the @ symbol, will change to a "W" suffix model number.

"W" suffix models are available down to 1kW. (example: E8N-40R using 4,000 watt elements or less will become "E8N-40RW").

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

ProLine® Grid-Capable Electric Water Heaters



Electronic Controls

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

Utility Grid-Capable

- Equipped with Demand Response (CTA-2045 EcoPortCM) communication port
- Allows for participation in Utility Demand Response programs (Module needed from local utility)
- Meets state of Washington and Oregon requirements

Enhanced Heating Elements

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

High Energy Factors

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a high Energy Factor 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

6-Year Limited Tank and Parts Warranty

- 10 year warranty models available
- For complete information, consult written warranty or americanwaterheater.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	A	B	C	
Tall Models											
EE6U-40H†	40	36	55	0.93	21	4500	5500	60-1/4	53-1/4	20	106
EE6U-50H†	50	46	62	0.92	21	4500	5500	59	51-1/4	20-1/2	109
EE6U-55H†	55	55	75	0.94	21	4500	5500	56-1/2	48-1/2	24	145
Short Models											
EE6U-40R†	40	37	53	0.92	21	4500	5500	49-3/4	40-3/4	20-1/2	95
EE6U-50R†	50	46	67	0.92	21	4500	5500	49-1/4	40-1/4	23	117
Lowboys Models											
EE6U-40L†	38	35	52	0.92	21	4500	5500	31-1/2	24	26	118
EE6U-50L†	51	48	54	0.92	21	4500	5500	36	26-1/4	26-1/2	154
EE6U-50LB*†	48	44	55	0.92	21	4500	5500	34	24-1/4	26-1/2	154

3/4" water connections on 8" center.

Only available for 240V or 208V applications. 208 volt only available with 4,500 watt elements.

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.

Top T&P is not available on the 10-year lowboy models, the EE6U-40L and EE6U-50L.

*Models ship with supplied insulation blanket.

†For 10-year tank and parts warranty, change first "E" to "P" in the model number.

ProLine® Standard



Enhanced Heating Elements

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

High Uniform Energy Factor (UEF)

Self-Cleaning Dip Tube

Coregard™ Anode Rod

Code Compliance

- Meets IBC, 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

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 UL 174 standards governing storage tank-type electric water heaters

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 americanwaterheater.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	Minimum	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models												
†E6N-30H	30	27	48	0.89	21	4500	1000	6000	46-1/2	39-1/2	19	95
†E6N-40H	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
†E6N-50H	50	46	62	0.92	21	4500	3000	6000	59	51-1/4	20-1/2	125
†E6N-55H	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
E6N-30RB*	30	27	50	0.91	21	4500	1000	6000	39	30-1/2	20	95
†E6N-30R	30	27	47	0.89	21	4500	1000	6000	39-3/4	30-1/2	22	94
†E6N-40R	40	37	55	0.92	21	4500	4500	6000	49-3/4	40-3/4	20-1/2	109
†E6N-40RW	40	37	41	0.88	18	-	1000	4000	49-3/4	40-3/4	20-1/2	109
†E6N-50R	50	46	57	0.92	21	4500	2500	6000	49-1/4	40-3/8	23	161
Lowboy Top Connect Models												
†E6N-30LB*	28	26	43	0.89	21	4500	1000	6000	30	21-3/4	20	90
†E6N-30L	28	26	44	0.90	21	4500	1000	6000	31 1/4	21-3/4	24	115
†E6N-36L	36	33	51	0.92	21	4500	4500	6000	32	24	24	118
†E6N-40L	38	35	50	0.89	21	4500	1000	6000	33 1/2	24	26	118
†E6N-40LB*	38	35	51	0.92	21	4500	4500	6000	32	24	23	118
†E6N-40LBW*	38	35	38	0.90	18	-	1000	4000	32	24	23	118
†E6N-50LB*	48	44	60	0.93	21	4500	4000	6000	34	25	26-1/2	172
†E6N-50LBW*	48	44	40	0.91	16	-	1000	3500	34	25	26-1/2	172
†E6N-50L	51	48	51	0.92	21	4500	4000	6000	36	25	26-1/2	172

Male 3/4" water connections on 8" center. *Models ship with supplied insulation blanket. †For 10-year tank and 10-year parts limited warranty, change "6" to "10" in the model number (example: E10N-40H). E6N-20L is a single element configuration only. Models requiring a lower wattage than what is listed in the minimum wattage column and showing the @ symbol, will change to a "W" suffix model number. "W" suffix models are available down to 1kW. (example: E6N-40R using 4,000 watt elements or less will become "E6N-40RW"). Top T&P is not available on the 10 year lowboy models.

ProLine® Mobile Home



Approved for Manufactured Housing

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

Side Water Connections

- For ease of installation in mobile home applications

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

Long-Lasting Heating Elements

- Screw-in, direct immersion, 3500W/240V or 3000W/120V heating elements for maximum efficiency

Blue Diamond® Glass Coating

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

CSA Certified and ASME Rated T&P Relief Valve

Code Compliance

- Meets IBC & 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

Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to UL 174 standards governing storage tank-type electric water heaters

CSA Certified and ASME Rated T&P Relief Valve

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Voltage	Wattage		Dimensions in Inches		Approx. Shipping Weight (lbs)
							Upper Element	Lower Element	Height to Top of Heater	Diameter	
EMH6-30H	30	27	50	0.90	14	120	3000	3000	46-3/4	19	98
EMH6-30H	30	27	50	0.90	16	240	3500	3500	46-3/4	19	98
EMH6-30H	30	27	50	0.90	21	240	4500	4500	46-3/4	19	98
EMH6-40RW	40	36	40	0.91	14	120	3000	3000	50	22	109
EMH6-40RW	40	36	40	0.91	16	240	3500	3500	50	22	109
EMH6-40R	40	36	54	0.95	21	240	4500	4500	50	22	109
EMH6-30L*	28	26	47	0.90	14	120	3000	3000	30	22	96
EMH6-30L*	28	26	47	0.90	16	240	3500	3500	30	22	96
EMH6-30L*	28	26	47	0.90	21	240	4500	4500	30	22	96

*Models ship with supplied insulation blanket.

Models have limited element options due to element size or other restrictions.

Top T&P option not available on these models.

¾" water connections.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvements.

ProLine® Specialty Electric



TABLE TOP

POINT-OF-USE



COMPACT

LOWBOY



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

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

Approved for Manufactured Housing

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

Code Compliance

- Meets IBC, 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

Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to UL 174 standards governing storage tank-type electric water heaters

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or americanwaterheater.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		Height to Top of Tank	Height to T&P	Diameter	
Compact Models					120V	240V					
E61-06U-017SV	6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
E61-12U-015SV	10	9	N/A	N/A	1650	6000	7	12-1/4	12-1/4	16	41
E61-20U-015SV	19	17	N/A	N/A	2500	6000	7	18-5/8	18-5/8	18	68
E61-19L-045DV	19.9	18	N/A	N/A	2500	6000	21	25-3/4	25-3/4	16	68
Lowboy Side-Connect Model					240V						
E6N-30LBS*	28	26	47	0.90	4500	6000	21	30	21-3/4	22	101
E6N-30LS	28	26	43	0.91	4500	6000	21	31-1/4	21-3/4	24	115
E6N-40LBS*	38	35	57	0.94	4500	6000	21	31-3/4	24	24	118
E6N-40LBSW*	38	35	38	0.91	-	4000	18	31-3/4	24	24	118
E6N-40LS	38	35	54	0.93	4500	6000	21	33-1/2	24	26	118
E6N-40LSW	38	35	38	0.91	-	4000	18	33-1/2	24	26	118
Table Top Model					240V						
E62-38T-045DV	38	35	55	0.90	4500	5500	21	36	24	25	150

*Models ship with a supplied insulation blanket. When ordering models E6N-40LS or E6N-40LBS the model number will change for wattages of 4kW to 1kW. The new model number will include a "W" suffix (example: E6N-40LBSW)

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

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.

Adapt® Premium Residential Tankless Water Heaters

FEATURES:



OPERATING COST \$
 INSTALLATION SPACE REQUIRED ■
 WARRANTY (YEARS) 15

Model Family	Adapt+ Premium Condensing	Adapt SC Standard Condensing
Condensing	●	●
Indoor Models	●	●
Outdoor Models	●	●
BTUs	160K-199K*	120K-199K*
Recirculation Pump - DHW	●	
Recirculation Pump - Hydronic Heating		
Ultra-Low Nox	●	●
X3® Scale Prevention Technology	●**	●**
Field Convertible (NG to LP)	●	
2 or 3 inch venting	●	
1/2 or 3/4 Inch Gas Connections	●	
Energy Star® Certified*	●	●

*Outdoor Vent Cap Kit sold separately.

**X3 models equipped with integrated SCM Technology; Bypass (M) models can add SCM as an optional accessory
 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.

Adapt[®]+ Premium Condensing with X3[®] Technology



OUTDOOR
MODEL

INDOOR
MODEL



Meets SCAQMD
Rule 1146.2
California and Texas



ANSI Z21.10.3 • CSA 4.3

X3[®] Scale Prevention Technology (Patented Design)

- Integrated into all X3 models; optional accessory for Bypass (M) models and can be added at any time
- No annual descaling required with X3 models
- X3 models maintain like-new performance longer; extends life up to three times versus unprotected unit

Integrated Recirculation Pump & Display

- Integrated recirculation pump
- Built-in Control Display to set and review recirc schedules, status, and error codes
- Optional remote activation (Ca. Title 24) kits available

Ultimate Flexibility Ease of Installation

- Universal indoor or outdoor installation;
- 0.95 UEF, ENERGY STAR Certified
- Outdoor Vent Cap Kit sold separately
- Field convertible from Natural Gas to Liquid Propane, kit included
- ½" Gas Line or larger
- Exhaust venting, 2" PVC up to 75' (23 m); 3" PVC up to 150' (45.7 m)
- Cat. IV venting may be used
- Flexible venting with PVC, CPVC, Polypropylene, or ABS Pipe (solid core only)
- Pressure relief valve included with X3 models
- Outdoor rated power cord standard on every unit
- Cascade up to 12 units with single cable per heater, cable included
- Approved for installation in manufactured homes

Warranty

- No hardwater exclusions on X3 models; exclusions apply to M models
- 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
- For complete information, consult written warranty or americanwaterheater.com

Model Number	Type	Gas Consumption Input		Hot Water Output (GPM)			Dimensions			Approx Shipping Weight (lbs)
		Minimum BTU/H	Maximum BTU/H	Maximum*	45°F Rise	70°F Rise	Height	Width	Depth	
X3® Technology Models										
MTHR-160X3	INDOOR / OUTDOOR	9,000	160,000	10.5	6.8	4.3	41-4/5	6-1/2	16-1/10	120
MTHR-180X3	INDOOR / OUTDOOR	9,000	180,000	10.5	7.7	4.8	41-4/5	6-1/2	16-1/10	120
MTHR-199X3	INDOOR / OUTDOOR	9,000	199,000	10.5	9.5	5.4	41-4/5	6-1/2	16-1/10	120
Bypass Models										
MTHR-160M	INDOOR / OUTDOOR	9,000	160,000	10.5	6.8	4.3	33-4/5	6-1/2	16-1/10	120
MTHR-180M	INDOOR / OUTDOOR	9,000	180,000	10.5	7.7	4.8	33-4/5	6-1/2	16-1/10	120
MTHR-199M	INDOOR / OUTDOOR	9,000	199,000	10.5	9.5	5.4	33-4/5	6-1/2	16-1/10	120

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

Adapt® SC Standard Condensing with X3® Technology



ANSI Z21.10.3 • CSA 4.3

X3® Scale Prevention Technology (Patented Design)

- Integrated into all X3 models; optional accessory for Bypass (M) models and can be added at any time
- No annual descaling required with X3 models
- X3 models maintain like-new performance longer; extends expected life of unit up to three times versus unprotected unit

Performance & Efficiency

- 160,000, 180,000, 199,000 BTU/h
- 10,000 BTU/h min. input
- Max Flow Rate 10.5 GPM; 0.4 GPM activation; 0.26 GPM for continuous fire
- 0.95 UEF, ENERGY STAR® certified
- Ultra Low NOx – Complies with SCAQMD Rule 1146.2*

Ultimate Flexibility

Ease of Installation

- Universal indoor or outdoor installation; Outdoor Vent Cap Kit sold separately
- Exhaust venting, 2" PVC up to 50' (15.3 m); 3" PVC up to 150' (45.7 m)
- Flexible venting with PVC, CPVC, Polypropylene, or ABS Pipe (solid core only)
- Pressure relief valve included with X3 models
- Outdoor rated power cord standard on every unit
- Cascade up to 12 units with single cable per heater, cable included
- Approved for installation in manufactured homes

Warranty

- No hardwater exclusions on X3 models; exclusions apply to M models
- 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

Model Number	Type	Gas Consumption Input		Dimensions			Approx Shipping Weight (lbs)
		Minimum BTU/H	Maximum BTU/H	Height	Width	Depth	
X3® Technology Models							
MTM-199X3-N	INDOOR / OUTDOOR	10,000	199,000	40.4"	17.1"	11.9"	93 LB
MTM-180X3-N	INDOOR / OUTDOOR	10,000	180,000	40.4"	17.1"	11.9"	93 LB
MTM-160X3-N	INDOOR / OUTDOOR	10,000	160,000	40.4"	17.1"	11.9"	93 LB
Bypass Models							
MTM-199M-N	INDOOR / OUTDOOR	10,000	199,000	40.4"	17.1"	11.9"	93 LB
MTM-180M-N	INDOOR / OUTDOOR	10,000	180,000	40.4"	17.1"	11.9"	93 LB
MTM-160M-N	INDOOR / OUTDOOR	10,000	160,000	40.4"	17.1"	11.9"	93 LB

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

ProLine® XE Tankless Condensing High Efficiency



INDOOR



OUTDOOR

Condensing Technology Provides up to 0.91 Uniform Energy Factor

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 6.6 GPM

Dual Heat Exchangers

- Primary heat exchanger of GT-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

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

Safety Features

- Air-Fuel Ratio (AFR) Sensor
- Exhaust & 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 application
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or americanwaterheater.com



ANSI Z21.10.3

CSA 4.3

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions (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‡	Height	Width	Depth	
GT-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	22-7/8	13-7/8	10-13/16	54

*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 Tankless Condensing High Efficiency



INDOOR



OUTDOOR



Meets SCAQMD
Rule 1146.2
California only



Select models



ANSI Z21.10.3

CSA 4.3

ENERGY STAR® Certified*

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

Maximum Flow Rates up to 10.0 GPM

Heat Exchanger

- Primary heat exchanger of GT-540 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 temperature quicker and reducing pressure drop across the heat exchanger
- Secondary heat exchanger is made of marine-grade 316L stainless steel to protect against corrosion

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

Common vent indoor models up to 8 units

GT-540 can be used in both residential and commercial applications

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

Safety Features

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

Internal Freeze Protection System

Power Vent or Power Direct Vent Design

Warranty

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

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions (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‡	Height	Width	Depth	
GT-240H-NIH	NATURAL	15,000	120,000	4.0	10.5	0.94	0.95+	3/4" NPT	3/4" NPT	2.5	2.5	23-5/8	17-3/4	11-1/4	71
GT-340H-NIH	NATURAL	15,000	180,000	4.0	10.5	0.95+	0.94	3/4" NPT	3/4" NPT	2.5	3.5	23-5/8	17-3/4	11-1/4	71
GT-540H-NIH	NATURAL	15,000	199,000	4.0	10.5	0.93	0.95+	3/4" NPT	3/4" NPT	3	4.5	23-5/8	17-3/4	11-1/4	71

For outdoor models change "I" to "E" in the model number (example: GT-140-NEH)

*For propane models, change "N" to "P" in the model number (example: GT-240-PIH)

For outdoor models change "I" to "E" in the model number (example: GT-240-NEH)

**Cold climate represents 70°F temperature rise.

***Warm climate represents 50°F temperature rise.

†ENERGY STAR® Qualified

ProLine® XE Tankless Non-Condensing Concentric Vent



(510c model only)



ANSI Z21.10.3

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 GT-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

- Include a built-in temperature controller 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

Electronic Ignition - No Pilot Light

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 americanwaterheater.com

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		UEF	Connections		Sizing Chart (Number of Showers)		Dimensions (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‡	Height	Width	Depth	
GT-310C-N	15,000	190,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	11-1/2	55
GT-510C-N	15,000	199,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	11-1/2	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

ProLine® XE Tankless Non-Condensing Ultra-Low NOx



INDOOR



OUTDOOR



(510U model only)



ANSI Z21.10.3

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 exchange of the GT-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 and outdoor models available

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

GT-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 & 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
- 6-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or americanwaterheater.com

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure**		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions (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‡	Height	Width	Depth	
GT-110U-I-200	NATURAL	15,000	140,000	4.0	10.5	0.81	0.81	3/4" NPT	3/4" NPT	1.5	2.5	20-1/2	13-3/4	10	39
GT-310U-I-200	NATURAL	15,000	190,000	4.0	10.5	0.81	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	10	39
GT-510U-I-200	NATURAL	15,000	199,000	4.0	10.5	0.81	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	10	40

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

**When converted to 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

ProLine® XE Non-Condensing Concentric Vent with X3® Technology



Meets SCAQMD Rule 1146.2



ANSI Z21.10.3

X3® Scale Prevention Technology

- No annual descaling required
- No scale buildup means the heater maintains like-new performance longer
- Isolation valves not required
- Pressure relief valve included

Concentric Vent Design Copper Heat Exchanger

- 25x better heat transfer than stainless steel thus stabilizing outgoing water temperature quicker and reducing pressure drop across the heat exchanger

Indoor Models Only Complies with Lead Free Standards Recirc Capable

- Approved to work with an external recirculation pump and crossover valve.

Safety Features

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

Warranty

- 15-year limited warranty on heat exchanger in residential applications
- 1-year limited warranty on heat exchanger in commercial applications
- 5-years Residential parts
- 1-year Commercial parts
- 1-year labor
- For complete information, consult written warranty or americanwaterheater.com

Model Number	Gas Consumption Input		Supply Gas Pressure		UEF	Maximum GPM*	Hot/Cold Connections	Gas Connection	Dimensions in Inches				Approx. Shipping Weight (lbs)
	Minimum BTU/H	Maximum BTU/H	Minimum in. W.C.	Maximum in. W.C.					Height	Width	Depth	Height with Cartridge	
GT-310CX3	15,000	190,000	4.0	10.5	0.81	8	3/4" NPT	3/4" NPT	20-1/2	13-3/4	11-1/2	36-1/8	51
GT-510CX3	15,000	199,000	4.0	10.5	0.81	10	3/4" NPT	3/4" NPT	20-1/2	13-3/4	11-1/2	36-1/8	51

15-150 psi water pressure. 40 psi or above recommended for maximum flow.

Field gas convertible from natural gas to propane. Conversion kit is included with the heater.

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

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

Suitable for commercial applications.

Certified from sea level to 10,100 ft. elevations.

In-Line, Free-Standing and Horizontal



- Metal air valve
- 100 psi working pressure
- Multiple head construction
- Interior epoxy coating
- Durable butyl rubber parabolic diaphragm
- Positive lock retention system, eliminates loss of air and/or water leaks in the tank
- Electrostatically applied powder-coated exterior provides the ultimate protection against corrosion
- 5-year limited warranty



Model Number	Volume (Gallons)	Connecting NPT Size	Dimensions in Inches			Weight (lbs.)
			Overall Height	To Center of Water Inlet	Diameter	
Inline and Free-Standing Series						
APTI-2	1.9	3/4 (M)	10-3/16	-	8-1/4	5
APTI-5	4.8	3/4 (M)	14-3/4	-	11	9
APTI-7	7.3	3/4 (M)	21-1/16	-	11	14
APT-14	14	1 (M)	24 15/16	2	15-3/8	23
APT-20	20	1 (F)	32 3/8	2	15-3/8	34
APT-26	26	1 (F)	39 9/16	2	15-3/8	43
APT-32	32	1 (F)	47 1/4	2	15-3/8	52
APT-45	45	1 1/4 (F)	36 9/16	2-1/2	22	64
APT-65	65	1-1/4 (F)	48 5/8	2-1/2	22	89
APT-85	85	1-1/4 (F)	60-11/16	2-1/2	22	113
APT-86	86	1-1/4 (F)	46	2-1/2	26	116
APT-119	119	1-1/4 (F)	61-5/16	2-1/2	26	161
Horizontal Series			Length			
APTH-7	7.3	3/4 (M)	12-7/8	-	11	16
APTH-14	14	1 (M)	18-1/4	-	15-3/8	26
APTH-20	20	1 (M)	18-1/4	-	15-3/8	36

Note:
M- Male connection
F- Female connection
All models 38 psi pre-charge

Potable and In-Line Hydronic



- Expansion Tanks - available for hydronic or potable applications
- Drawn steel construction
- Tough butyl rubber parabolic diaphragm
- IAPMO approved
- Max. working pressure
 - 150 psi for potable water expansion tanks
 - 100 psi for hydronic expansion tanks
- 5-year limited warranty on potable AET expansion tanks
- 1-year limited warranty on potable TW Series expansion tanks
- 1-year limited warranty on hydronic expansion tanks

Model Number	Maximum (PSIG) Working Pressure	Tank Volume (Gallons)	Maximum Accepted Volume (Gallons)			Connection NPT Size	Dimensions in Inches		Weight (lbs)
			20 PSI	40 PSI	60 PSI		Overall Height	Diameter	
Potable Expansion Tanks - 5-Year Limited Warranty									
AET-2	150	1.96	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
AET-5	150	4.55	3.75	3.05	2.19	3/4	14-3/4	11	9
AET-10	150	9.25	7.80	6.55	5.25	3/4	15-1/2	15-3/8	18
Potable Expansion Tanks - 1-Year Limited Warranty									
TW-5	150	2.10	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
TW-12	150	4.40	3.75	3.05	2.19	3/4	14-3/4	11	9
In-Line Hydronic Expansion Tanks - 1-Year Limited Warranty									
AEH-2	100	1.96	1.53	N/A	N/A	1/2	10-3/16	8-1/4	5
AEH-5	100	4.55	3.75	N/A	N/A	1/2	14-3/4	11	8
AEH-7	100	7.30	4.60	N/A	N/A	1/2	21-1/16	11	14

All AET and TW Series models 38 psi pre-charge
All AEH models 12 psi pre-charge

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Warranty and Service

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