RESIDENTIAL PRODUCT CATALOG

A.O. Smith®

WHY A.O. SMITH?

Every water heater that carries the A. O. Smith name has a reputation to live up to, one that we've earned through more than 140 years of innovation. To continue to lead our industry, we constantly look for new materials and develop new technologies that can improve energy efficiency, perform better, and make our customers' lives easier. So, when you choose an A. O. Smith residential water heater, whether it's gas, electric, hybrid or tankless, you can be confident that you are getting the best water heating solution regardless of the application—for today and for years to come.

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TOUGHER COMPONENTS. LONGER PERFORMANCE.

Blue Diamond® Glass Coating

Stainless Steel Core Anode Rods

DynaClean™ Automatic Sediment Cleaning System

Longer-Lasting Stainless Steel Elements

THERE'S NOTHING STANDARD ABOUT OUR COMMERICAL GRADE PROLINE®.

Learn more at hotwater.com

Blue Diamond® Glass Coating
A. O. Smith residential gas and electric water heaters have the toughest protection against corrosion to maximize tank life.

A. O. Smith's Blue Diamond® Glass Coating provides superior corrosion resistance compared to the industry-standard glass lining.

ENERGY STAR®
A. O. Smith Water Heaters offers a variety of models that are ENERGY STAR® qualified. Learn more at www.energystar.gov.

Enhanced-Flow Brass Drain Valve
Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type drain valve.

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

Heat Trap Nipples
Factory-installed for faster installation on most A. O. Smith residential models.

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.

LOW LEAD CONTENT
CSA low lead logo on a plumbing product signifies certification to California's AB1953 and Vermont's legislation Act 193 that limits the lead content in plumbing fixtures that come in contact with drinking water to a maximum of 0.25% lead.

Self-Cleaning Systems on A. O. Smith Residential Models
Automatic self-cleaning action greatly reduces lime and sediment buildup, maximizes hot water output. Made from long-lasting Pex cross-linked polymer.

Our ProLine® XE models come standard with maximum sediment-fighting power and utilize our top-of-the-line Turbo Coil design.

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.

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 A. O. Smith residential water heater with a first hour rating that meets your requirements.**

To select the right A. O. Smith water heater, consider the size of your family and other factors that contribute to your First Hour Rating (FHR) Requirement. This chart provides suggested A. O. Smith 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

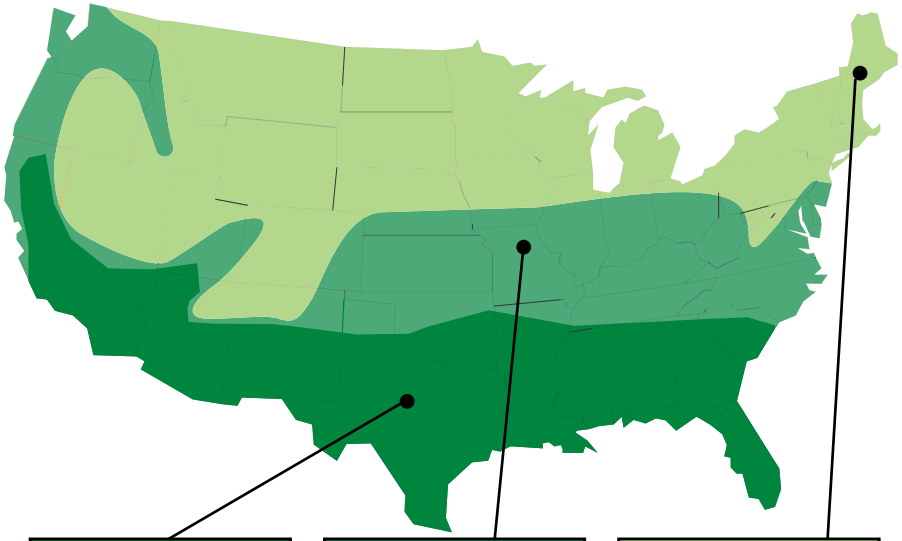
The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with the changing of the seasons. The temperature of water as it enters the water heater will determine the amount of "temperature rise" required to achieve the desired hot water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



SOUTHERN ZONE	CENTRAL ZONE	NORTHERN ZONE
Average Ground Water Temperature: 62°F to 77°F	Average Ground Water Temperature: 52°F to 61°F	Average Ground Water Temperature: 37°F to 51°F

Remember, these are general recommendations. Your A. O. Smith 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.

WHY PROFESSIONALS CHOOSE A. O. SMITH

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

EARN POINTS BY PURCHASING A. O. SMITH 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.

A. O. SMITH PROVIDES 6 KEY THINGS
TO HELP GROW YOUR BUSINESS AND BECOME MORE PROFITABLE

1. Contractor Locator
An online locator that drives thousands of consumers from our website right to our loyal contractors. Your company listing is free and generated for you when you participate in our Contractor Rewards™ program.* Visit hotwater.com/contractorlocator for more information.

2. Contractor Rewards Program
Our program rewards our loyal contractors for buying our products. Buy more and get rewarded with prizes and higher status on our Contractor Locator.

3. 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.hotwater.com/ads.

4. 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.

5. Product Sales Tools
We provide contractors access to the sales tools needed to close more sales.

6. Brand Support
Marketing investment in our brands drive consumers to recognize our name, visit our websites, locate local contractors and request products.

*To be listed on the Contractor Locator you must meet the minimum threshold of codes entered at contractorrewards.com

Visit hotwater.com/contractor to learn more.

RESIDENTIAL GAS WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

Gas
Water Heaters

PREMIUM FEATURES:	*ProLine®*	*ProLine® Master*	*ProLine® XE*
OPERATING COST	$ $ $	$ $ $	$
INSTALLATION SPACE REQUIRED	■ to ■■	■■	■■■
WARRANTY (YEARS)	6	**8**	6-10
Blue Diamond® Glass Lining	•	•	•
DynaClean™ Automatic Sediment-Cleaning System	•	•	•
Electronic Gas Valve	•	•	•
Heat Trap Nipples	•	•	•
Enhanced Flow Brass Drain Valve	•	•	•
CoreGard™ Anode Rod Protection	•	•	•
Advanced Anode Protection		•	•
Extended Warranty Kit Available	•	•	•*
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

Commercial-Grade Components

Benefits that homeowners love

VERTEX™ HIGH EFFICIENCY POWER VENT

PROLINE® XE BEST

SERIES 120

Low Lead Content

ENERGY STAR

GAS-FIRED c UL us LISTED

Green Choice™ The Eco-Friendly Gas-Fired Burner

AHRI CERTIFIED® www.ahridirectory.org

ENERGY STAR® QUALIFIED

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs

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

- 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 Vertex 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 control

Blue Diamond® Glass Coating with Two Heavy Duty Anode Rods

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

Green Choice® Gas Burner

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

Dynaclean™ Diffuser Dip Tube

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 go to hotwater.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	Height to Top of Blower	Diameter	
GPHE-50	50	48	124	0.88	94%	95	76,000	68-3/4	71-1/8	22	225

Available in natural gas only.
Standard model certified for sea level to 5,300 ft. elevation. Special models available for elevations up to 10,100 ft.
Optional Condensate Neutralizer Kit available (part number 100112380).

VERTEX™ HIGH EFFICIENCY POWER DIRECT VENT

PROLINE® XE BEST

SERIES 300

Low Lead Content

GAS-FIRED C UL US LISTED

ENERGY STAR

DESIGN CERTIFIED

AHRI CERTIFIED® www.ahridirectory.org

ENERGY STAR® QUALIFIED

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs

Advanced Electronic Control

- Exclusive A. O. Smith designed touch display control system
- Precise temperature control
- Advanced diagnostics
- Built-in diagnostics and operational information

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

Helical Internal Heat Exchanger

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

Power Direct Vent Design

- 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 Vertex Power Direct Vent to be used for combination space/water heating applications

Code Compliance

- Meets IBC and ICC National Codes
- Meets the efficiency 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 hotwater.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	
GDHE-50	50	49	100	0.88	96%	100,000	66-3/4	22	255
GDHE-75	75	74	130	0.86	96%	100,000	65-1/4	27-3/4	382

Available in propane (LP) gas. Specify when ordering propane (LP) gas.
Models certified for sea level to 10,100 ft. elevation.
Optional Condensate Neutralizer Kit available (part number 100112380).

POLARIS® HIGH EFFICIENCY

PROLINE® XE BEST

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

Power Direct Vent Design

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

Quiet Operation

- Quiet blower and burner minimize noise

Advanced Electronic Control

- Exclusive A. O. Smith designed touch display control system
- Precise temperature control
- Built-in diagnostics and operational information

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

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 Parts Warranty

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

Low Lead Content

ENERGY STAR

AHRI CERTIFIED® www.ahridirectory.org

GSP 100

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	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GSP 100	34	33	179	0.90	96%	129	100,000	48-1/2	22	150
GSP 130	34	N/A	N/A	N/A	96%	165	130,000	48-1/2	22	150
GSP 150	34	N/A	N/A	N/A	94%	190	150,000	48-1/2	22	150
GTP 130	50	N/A	N/A	N/A	95%	165	130,000	62-3/8	22	176
GTP 150	50	N/A	N/A	N/A	95%	190	150,000	63-3/4	22	180
GTP 175	50	N/A	N/A	N/A	96%	222	175,000	63-3/4	22	180
GTP 199	50	N/A	N/A	N/A	96%	253	199,000	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

PROLINE® XE BEST

Versatile Power Vent Design

- All models feature an exclusive 3-position rotatable blower outlet which adds flexibility
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene)

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

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

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 or 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 go to hotwater.com

Low Lead Content

AHRI CERTIFIED® www.ahridirectory.org

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	
GPVL-40	200	40	38	0.67	45	40,000	72	59	49-5/8	22	174
GPVT-40	200	40	38	0.70	56	50,000	93	68-1/2	59-1/4	20	176
GPVL-50	200	50	49	0.72	45	40,000	93	60-1/8	50-3/4	24	198
GPVT-50	200	50	48	0.72	56	50,000	96	68-1/8	58-3/4	22	192
GPVX-50L	200	50	50	0.73	69	62,000	119	61-1/8	52	24	212
GPVX-75L	310	75	72	0.69	80	76,000	116	70-5/8	61-1/4	26	277

Natural gas models cited are series 200/210. Propane models 201/211.
Side connections are standard on GPVX models.
For side connect models, add "L" to the model number (example: GPVT-40L).
All models rated for installation at altitudes up to 10,100 ft.

PROLINE® XE NON-CONDENSING POWER DIRECT VENT

PROLINE® XE BEST

Power Direct Vent Design

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

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

Dynaclean™ Diffuser 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
- Built-in heat traps
- Water inlet and outlet reduce the amount of heat lost through piping

Enhanced-Flow Brass Drain 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 or ANSI Z21.10.3 CSA 4.3 standards governing storage tank-type water heaters governing storage tank-type water heaters

Available in Natural Gas and Propane

6-Year Limited Tank and Parts Warranty

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

Low Lead Content

AHRI CERTIFIED® www.ahridirectory.org

Model Number	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	
GPDL 40	40	38	74	0.68	40,000	45	58-1/4	49-5/8	22	174
GPDT 50	50	48	81	0.72	45,000	50	67-1/2	58-3/4	22	192
GPDX 50L	50	48	118	0.73	62,000*	73	69	60-1/4	22	200
GPDX 75L	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.
Side connections are standard on GPDX models.
For side connect models, add "L" to the model number (example: GDPT-50L).
Side connections available on GPDL and GPDT models.
All models are certified from sea level to 10,100 ft. elevation.

PROLINE® XE NON-CONDENSING FLUE DAMPER

PROLINE® XE BEST

Low Lead Content

Green Choice® Gas Burner

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

DynaClean™ Diffuser Dip Tube

CoreGard™ Anode Rod

Requires 120V Power

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

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC, and HUD (excluding mobile homes) National Codes.
- Meets the efficiency 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

6-Year Limited Tank and Parts Warranty

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

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	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											
GCF-40	40	38	70	0.64	40,000	42	64-1/4	58-1/4	20	3″ or 4″	152
GCF-50	50	48	84	0.69	40,000	42	63-1/2	57-1/4	22	3″ or 4″	167
Short Models											
GCFL-40	40	38	65	0.66	40,000	42	54	47-3/4	22	3″ or 4″	149
GCFL-50	50	49	78	0.69	40,000	42	55-3/4	49-1/2	24	3″ or 4″	175

Water connection is 3/4″ on all models
All models are certified from sea level to 10,100 ft. elevation

PROLINE® XE NON-CONDENSING ULTRA-LOW NOx FLUE DAMPER

PROLINE® XE BEST

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

DynaClean™ Diffuser Dip Tube

CoreGard™ Anode Rod

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Requires 120V Power; 19.5 foot power cord with standard 3-prong male connector provided

Electrical requirements; 110/120 VAC power source, less than 5 amp draw

Code Compliance

- Meets IBC, CEC, and HUD (excluding mobile homes) National Codes
- Meets the efficiency 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

6-Year Limited Tank and Parts Warranty

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

Low Lead Content

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90°F Rise (Gallon/Hour)	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood Outlet	
GUF-40	40	38	68	0.65	40,000	42	64-1/4	58-1/4	20	3" or 4"	152
GUF-50	50	48	83	0.70	40,000	42	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 NON-CONDENSING ULTRA-LOW NOx POWER VENT

PROLINE® XE BEST

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.

Dynaclean™ Diffuser Dip Tube

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

Coregard™ Anode Rod

Durable, Ultra-Low NOx Burner Construction

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

Low Lead Content

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

No option available for top T&P valve.

PROLINE® MASTER ATMOSPHERIC VENT

PROLINE® MASTER BETTER

Low Lead Content

Intelligent Control Logic

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

- 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

Code Compliance

- Meets IBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.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 Outlet	
Tall Models												
HWR 40	40	38	80	0.64	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
HWG 50	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
HWR 50	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
HWRT 50*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
HWRX 55*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
HWRL 40	40	38	67	0.58	40,000	36,000	41	51-1/2	48	22	3 or 4	135
HWRL 50	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection is ¾" on all models.
All models approved for installation from sea level to 10,100 ft. elevation.
Specify when ordering propane (LP) gas.
*For optional side-mounted recirculating taps, add "L" to the suffix in the model number.

PROLINE® MASTER ULTRA-LOW NOx

Low Lead Content

Intelligent Control Logic

High Uniform Energy Factor (UEF)

- Eco-Friendly non-CFC foam insulation, external 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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

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

Push-Button Piezo Ignitor

Heat Trap Nipples

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

PROLINE® MASTER BETTER

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 Outlet	
Tall Models											
HUC-40	40	38	72	0.55	40,000	41	62	58-1/4	18	3 or 4	125
HUR-40	40	38	81	0.64	40,000	41	62	58-1/4	20	3 or 4	125
HUC-50	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 or 4	148
HUR-50	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 or 4	148
HURT-50L	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177
Short Models											
HURL-40	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.
Side loop connections are standard on model (HURT-50L).
All models approved for installation from sea level to 10,100 ft. elevation.

PROLINE® HIGH CAPACITY ATMOSPHERIC VENT

PROLINE® GOOD

Low Lead Content

Highest Recoveries

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

Fully Automatic Controls with Safety Shutoff

- Accurate, dependable control system requires no electrical connections
- Fixed automatic gas shutoff device for added safety

Green Choice® Gas Burner

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Push-Button Piezo Ignitor

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC and ICC National Codes
- Meets the efficiency 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

Maximum Hydrostatic Working Pressure 150 psi

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 go to hotwater.com

Model Number	Nominal Capacity	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 Outlet	
FCG-75	74	0.60	75,100	81	61	58-1/2	16	4	270
FCG-100	98	0.58	75,100	81	68-1/2	66-1/2	16	4	340

Water connections are 1" male NPT on the FCG-75 and 1 1/4" on the FCG-100.
For optional side loop fitting add L suffix to 75 gallon model number (FCG-75L).

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Andode Rod

Push Button Piezo Ignitor

Heat Trap Nipples

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

PROLINE® GOOD

Low Lead Content

Green Choice™ The Eco-Friendly Gas-Fired Burner

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 Tank	Diameter	Vent Supplied	
GDV-40	40	39	64	0.60	38,000	41	49-3/4	22	Co-Axial	178
GDV-50	50	48	77	0.66	40,000	43	59	22	Co-Axial	200
GDVT-50	50	48	83	0.65	47,000	51	60	22	Co-Axial	215

Dual-channel system has 3" vent pipe inside 6" air intake pipe, for the 40 and 50-gallon models.
All models have 2" foam cavity.
Water connection is 3/4" male on all models.
40 and 50 gallon models are 8" on center.
Allow 29-1/2" for front to back dimension for gas control and air intake pipe at the rear of the heater.
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 GDV-40L.

PROLINE®
ATMOSPHERIC VENT

PROLINE® GOOD

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Push-Button Piezo Ignitor

Enhanced-Flow Brass Drain Valve

Heat Trap Nipple

Blue Diamond® Glass Coating

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

Low Lead Content

Green Choice™ The Eco-Friendly Gas-Fired Burner

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 Outlet	
Tall Models												
†GCB-30R	30	29	62	0.60	32,000	29,000	32	60 1/2	57	16	3 or 4	123
GCR-30R	30	29	62	0.60	32,000	29,000	31	60 1/2	57	18	3 or 4	132
‡GCRH-40	40	38	65	0.59	35,500	N/A	38	61-3/4	58-1/4	20	3 or 4	138
†GCB-40	40	38	78	0.65	40,000	36,000	42	61-3/4	58-1/4	18	3 or 4	130
GCR-40*	40	38	80	0.64	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
GCG-50*	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
GCR-50*	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
GCRT-50*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
†GCRX-50*	50	49	99	0.61	60,000	54,000	65	65-1/2	61	22	4	190
GCRX-55*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
†GCBL-30R	30	29	65	0.60	32,000	29,000	32	50 1/4	46 3/4	18	3 or 4	114
GCRL-30R	30	29	55	0.60	32,000	29,000	32	50 1/4	46 3/4	20	3 or 4	108
†GCBL-40	40	38	68	0.57	40,000	36,000	41	51-1/2	48	20	3 or 4	134
GCRL-40	40	38	67	0.58	40,000	36,000	41	51-1/2	48	22	3 or 4	135
GCRL-50	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection is ¾" on all models.
*For optional side-mounted recirculating taps, add "L" to the suffix (example: GCR-40L).
† Models ship with supplied insulation blanket.
For 10-year tank and 10-year parts warranty, change "G" to "X" in model number (example: XCR-40).
‡ LP models not available on GCRH-40.
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

Side-Mounted 3/4" Cold Water Inlet

- For flexibility to meet the varying needs of manufactured housing installations
- Top-mounted 3/4" hot water outlet

Green Choice® Gas Burner

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

Coregard™ Anode Rod

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

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 6-Year Limited Tank Parts Warranty

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

PROLINE® GOOD

Low Lead Content

Green Choice™ The Eco-Friendly Gas-Fired Burner

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				Approx. Shipping Weight (lbs)
								Height to Top of Draft	Height to Top of Tank	Diameter	Draft Hood Outlet	
FMHR-30	30	29	63	0.61	35,500	32,000	36	61-1/2	58	18	3 or 4	129
FMHR-40	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

PROLINE® GOOD

Low Lead Content

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
- Provision for horizontal air inlet ducting

Side-Mounted 3/4" Cold Water Inlets

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Enhanced-Flow Brass Drain Valve

Blue Diamond® Glass Coating

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 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 6-Year Limited Parts Warranty

- For complete information, consult written warranty or go to hotwater.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 Conntion	Height to Top of Tank	Diameter	Vent Outlet	
FMDV-30	30	29	60	0.61	30,000	29,000	31	61	58	18	3	129
FMDV-40	40	38	57	0.59	32,000	29,000	33	61-3/4	58-3/4	20	3	153
FMDV-50	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 fro installation from sea level to 5,400 ft. elevation.

PROLINE® ULTRA-LOW NOx

Intelligent Control Logic

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

High Uniform Energy Factors (UEF)

- Eco-Friendly non-CFC foam insulation, external 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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Push-Button Piezo Ignitor

Heat Trap Nipples

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

PROLINE® GOOD

Low Lead Content

Green Choice™ The Eco-Friendly Gas-Fired Burner

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 Outlet	
Tall Models											
GUC-30	30	29	62	0.59	33,000	34	61-3/4	58	16	3" or 4"	126
GUC-40	40	38	72	0.55	40,000	41	62	58-1/4	18	3" or 4"	125
GUR-40	40	38	81	0.64	40,000	41	62	58-1/4	20	3" or 4"	125
GUC-50	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3" or 4"	148
GUR-50	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3" or 4"	148
GURT-50L	50	48	91	0.60	50,000	51	61	57-1/2	22	4"	177
Short Models											
GURL-40	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.
Side loop connections are standard on model (GURT-50L).
All models approved for installation from sea level to 10,100 ft. elevation.

PROLINE® ULTRA-LOW NOx DIRECT VENT

PROLINE® GOOD

Flammable Vapor Resistant/Direct Vent Sealed Combustion System

Durable, Ultra-Low NOx Burner Construction

Non-CFC Foam Insulation

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

¾" Top Water Connections and Side Space Heating Connections

½" Gas Connection

Coregard™ Anode Rod

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Green Choice® Gas Burner

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

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 hotwater.com

Low Lead Content

Green Choice™ The Eco-Friendly Gas-Fired Burner

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 Tank	Diameter	Vent Supplied	
GDNL-40L	40	39	52	0.60	36,000	39	50-1/2	22	Co-Axial	179
GDNT-50L	50	48	76	0.65	38,000	41	58-1/2	22	Co-Axial	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 Working Pressure

- 150 psi.

Maximum Gas Inlet Pressure

- 14" W.C.

Code Compliance

- Meets the efficiency requirements of the U. S. Department of Energy and Current Edition ASHRAE/IES 90.1

6-Year Limited Tank and Parts Warranty

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

PROLINE® GOOD

AHRI CERTIFIED® www.ahridirectory.org

Low Lead Content

GAS-FIRED c UL us LISTED

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	Draft Hood	
**†GCN-75	74	71	102	0.64	81	75,100	62-1/16	29-1/2	25-1/4	4"	285 lbs
*GCN-100	98	95	120	0.58	82	75,100	70-1/2	30-15/16	27-3/4	4"	350 lbs

*Recover rating based on 81% thermal efficiency.
**Recover rating based on 80% thermal efficiency.
†The GCN-75 comes standard with side loop fittings for use with hydronic heating applications.
Water connections are 1" male NPT on the GCN-75 and 1 1/4" on the GCN-100.

RESIDENTIAL ELECTRIC WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

Electric
Water Heaters

PREMIUM FEATURES:	*ProLine®*	*ProLine® Master*	*ProLine® XE*
OPERATING COST	$ $ $	$ $ $	$
INSTALLATION SPACE REQUIRED	■ to ■■	■■	■■■
WARRANTY (YEARS)	6	**8**	10
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

Benefits that homeowners love Commercial-Grade Components

VOLTEX® AL SMART HYBRID ELECTRIC HEAT PUMP

PROLINE® XE BEST

Low Lead Content

LISTED

ENERGY STAR

AHRI CERTIFIED®
www.ahridirectory.org

Leak Protection Technology

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

Exceptional Energy Efficiency

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

iCOMM® Smart Connectivity

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

Flexible Design

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

Quiet Operation

- Whisper-quiet operation at 45 dBA

Electronic Controls

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

Code Compliance

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

10-Year Limited Warranty

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

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

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
HPTS-50	50	46	3.80	65	63	40.5	22	196
HPTS-66	66	67	3.70	82	61.5	38.25	26.5	284
HPTS-80	80	82	3.88	95	69	46.5	26.5	302

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

VOLTEX® HYBRID ELECTRIC HEAT PUMP

PROLINE® XE BEST

Low Lead Content

LISTED

ENERGY STAR

ENERGY STAR® Qualified

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs

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 (UEF) conserves energy and meets ENERGY STAR® qualifications

Dual Voltage Capable

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

Backup Electric Elements

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

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. Programmable up to 99 days

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)

Code Compliance

- Meets IBC 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

10-Year Limited Warranty

- For complete information, consult written warranty or go to hotwater.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	
HPTU-50N	50	46	3.45	66	63	40-5/8	22	196
HPTU-66N	66	67	3.45	79	61	38	27	289
HPTU-80N	80	82	3.45	86	69	46	27	307

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

VOLTEX® HYBRID ELECTRIC HEAT PUMP

PROLINE® XE BEST

Low Lead Content

LISTED

ENERGY STAR

ENERGY STAR® Qualified

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs

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 (UEF) Rating conserves energy and meets ENERGY STAR® qualifications

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. Programmable up to 99 days.

Backup Electric Elements

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

Dry Fire Protection

- Control system checks to ensure 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)

Code Compliance

- Meets IBC 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

6-Year Limited Warranty

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

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

PROLINE® MASTER SMART ELECTRIC

PROLINE® MASTER BETTER

Low Lead Content

BLUE DIAMOND GLASS COATING

Electronic Controls with WIFI Connectivity

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

Remote Control Through the A. O. Smith app

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

Leak Detection Sensor

- Sounds an audible alarm when water is detected

Automatic Shut-off Valve

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

Enhanced Heating Elements

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

High Energy Factors

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

Coregard™ Anode Rod

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

Code Compliance

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

8-Year Limited Tank and Parts Warranty

- 4 year warranty extension available
- For complete information, consult written warranty or go to hotwater.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											
HETF-40	40	36	63	0.93	25	5500	5500	60-1/4	53-1/4	20	106
HETF-50	50	45	74	0.92	25	5500	5500	59	51-1/4	20-1/2	109
HETF-55	55	55	75	0.94	25	5500	5500	56-1/2	48-1/2	24	145
Short Models											
HESF-40	40	37	64	0.92	25	5500	5500	49-3/4	40-3/4	20-1/2	95
HESF-50	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 SMART ELECTRIC GRID-CAPABLE

Low Lead Content

BLUE DIAMOND GLASS COATING

PROLINE® MASTER BETTER

Electronic Controls with WIFI Connectivity

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

Remote Control Through the A. O. Smith 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 go to hotwater.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											
HETFA-40	40	36	63	0.93	25	5500	5500	60-1/4	53-1/4	20	106
HETFA-50	50	45	74	0.92	25	5500	5500	59	51-1/4	20-1/2	109
HETFA-55	55	55	75	0.94	25	5500	5500	56-1/2	48-1/2	24	145
Short Models											
HESFA-40	40	37	64	0.92	25	5500	5500	49-3/4	40-3/4	20-1/2	95
HESFA-50	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 ELECTRIC

PROLINE® MASTER BETTER

Enhanced Heating Elements

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

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

Long Lasting Stainless Steel Upper and Lower Elements

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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

8-Year Limited Tank and Parts Warranty

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

Low Lead Content

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												
HNT-40	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
HNT-50	50	46	62	0.92	21	4500	@ 3000	6000	60-1/2	51-1/4	20-1/2	125
HNT-50W	50	46	45	0.88	11	-	1000	2500	60-1/2	51-1/4	20-1/2	125
HNT-55	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
HNS-40	40	37	55	0.92	21	4500	@ 4500	6000	49 3/4	40-3/4	20-1/2	109
HNS-40W	40	37	41	0.88	18	-	1000	4000	49 3/4	40-3/4	20-1/2	109
HNS-50	50	46	57	0.92	21	4500	2500	6000	49 1/4	40-3/8	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: HNS-40 using 4,000 watt elements or less will become "HNS-40W").
Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

PROLINE® GRID-CAPABLE ELECTRIC

Low Lead Content

BLUE DIAMOND GLASS COATING

Electronic Controls

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

Utility Grid-Capable

- Equipped with Demand Response (CTA-2045 EcoPort℠) 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 go to hotwater.com

PROLINE® GOOD

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											
EETU-40†	40	36	55	0.93	21	4500	5500	60-1/4	53-1/4	20	106
EETU-50†	50	46	62	0.92	21	4500	5500	59	51-1/4	20-1/2	109
EETU-55†	55	55	75	0.94	21	4500	5500	56-1/2	48-1/2	24	145
Short Models											
EESU-40†	40	37	53	0.92	21	4500	5500	49-3/4	40-3/4	20-1/2	95
EESU-50†	50	46	67	0.92	21	4500	5500	49-1/4	40-1/4	23	117
Lowboys Models											
EELU-40†	38	35	52	0.92	21	4500	5500	31-1/2	24	26	118
EELU-50†	51	48	54	0.92	21	4500	5500	36	26-1/4	26-1/2	154
EELBU-50*†	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 EELU-40 and the EELU-50.
*Models ship with supplied insulation blanket.
†For 10-year tank and parts warranty, change first "E" to "P" in the model number.

PROLINE® STANDARD ELECTRIC

PROLINE® GOOD

Low Lead Content

Enhanced Heating Elements

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

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

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

Approved for Manufactured Housing

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

Design-Listed by Underwriters Laboratories

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

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to hotwater.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												
ENT-30†	30	27	48	0.89	21	4500	1000	6000	46-1/2	39-1/2	19	95
ENT-40†	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
ENT-50†	50	46	62	0.92	21	4500	@ 3000	6000	60-1/2	51-1/4	20-1/2	134
ENT-50W†	50	46	45	0.88	11	-	1000	2500	60-1/2	51-1/4	20-1/2	134
ENT-55†	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
ENSB-30*	30	27	50	0.90	21	4500	1000	6000	39	30-1/2	20	95
ENS-30†	30	27	47	0.89	21	4500	1000	6000	39-3/4	30-1/2	22	94
ENS-40†	40	37	55	0.92	21	4500	@ 4500	6000	49-3/4	40-3/4	20-1/2	109
ENS-40W†	40	37	41	0.88	18	-	1000	4000	49-3/4	40-3/4	20-1/2	109
ENS-50†	50	46	57	0.92	21	4500	2500	6000	49-1/4	40-3/8	23	161
Lowboy Top Connect Models												
ENLB-30*†	28	26	43	0.89	21	4500	1000	6000	30	21-3/4	20	96
ENL-30†	28	26	44	0.90	21	4500	1000	6000	31 1/4	21-3/4	24	115
ENL-36†	36	33	51	0.92	21	4500	@ 4500	6000	32	24	24	118
ENL-40†	38	35	50	0.89	21	4500	1000	6000	33 1/2	24	26	118
ENLB-40*†	38	35	51	0.92	21	4500	@ 4500	6000	32	24	23	118
ENLB-40W*†	38	35	38	0.90	18	-	1000	4000	32	24	23	118
ENLB-50*†	48	44	60	0.93	21	4500	@ 4000	6000	34	25	26-1/2	172
ENLB-50W*†	48	44	40	0.91	16	-	1000	3500	34	25	26-1/2	172
ENL-50†	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 warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).
"W" suffix models are available down to 1kW. (example: ENS-40 using 4,000 watt elements or less will become "ENS-40W").
Top T&P is not available on the 10 year lowboy models.
Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

MOBILE HOME

Low Lead Content

Approved for Manufactured Housing

- Compliant with HUD standards for mobile homes/manufactured housing

Side Water Connections

- Designed for easy 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 and compatibility with typical mobile home electrical requirements

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

Certified to UL 174 for Household Electric Water Heaters

CSA Certified and ASME Rated T&P Relief Valve

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.com

PROLINE® GOOD

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	
EMHT-30	30	27	50	0.90	14	120	3000	3000	46-3/4	19	98
EMHT-30	30	27	50	0.90	16	240	3500	3500	46-3/4	19	98
EMHS-40	40	36	40	0.91	14	120	3000	3000	50	22	109
EMHS-40	40	36	40	0.91	16	240	3500	3500	50	22	109
EMHL-30*	28	26	47	0.90	14	120	3000	3000	30	22	96
EMHL-30*	28	26	47	0.90	16	240	3500	3500	30	22	96

* Models ship with supplied insulation blanket.
Available with side T&P only.
¾" water connections.

PROLINE® SPECIALTY

PROLINE® GOOD

LOWBOY MODEL

COMPACT MODEL

TABLE TOP MODEL

POINT-OF-USE MODEL

Lowboy

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

Table Top

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

Point-of-Use

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

Compact

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

Approved For Manufactured Housing

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

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets UBC, CEC and HUD National Codes
- Meets the efficiency 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 go to hotwater.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**					
EJC-6	6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
EJC-10	10	9	N/A	N/A	1650	6000	8	18-1/4	12-1/4	16	41
EJCS-20	19	17	N/A	N/A	2500	6000	11	24-3/4	18-5/8	18	68
EJCT-20	19.9	18	N/A	N/A	2500	6000	11	31-5/8	25-3/4	16	68
Lowboy Side-Connect Model					**240V**						
ENJB-30*	28	26	47	0.90	4500	6000	21	30	21-3/4	22	101
ENJ-30	28	26	43	0.91	4500	6000	21	31-1/4	21-3/4	24	115
ENJB-40*	38	35	57	0.94	4500	6000	21	31-3/4	24	24	118
ENJB-40W*	38	35	38	0.91	-	4000	18	31-3/4	24	24	118
ENJ-40	38	35	54	0.93	4500	6000	21	33-1/2	24	26	118
ENJ-40W	38	35	38	0.91	-	4000	18	33-1/2	24	26	118
Table Top Model					**240V**			**Height**	**Depth**	**Width**	
ENTT-38	38	35	55	0.90	4500	5500	21	36	24	25	150
Point-Of-Use-Models					**120V**			**Height**	**Depth**	**Width**	
EPU-2.5	2.5	2.6	N/A	N/A	1440 @ 120V		7	18-1/2	13-1/4	12 1/4	17
EPU-4	4	3.8	N/A	N/A	1440 @ 120V		7	23 1/4	13-1/4	12 1/4	20
EPU-6	6	5.9	N/A	N/A	1440 @ 120V		7	24 1/4	16	15	24

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

PROLINE® XE BEST

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 - HydronicHeating					●	
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.

PROLINE® XE CONDENSING TANKLESS WITH X3® SCALE PREVENTION TECHNOLOGY

PROLINE® XE BEST

OUTDOOR MODEL

INDOOR MODEL

Select models

X3® SCALE PREVENTION TECHNOLOGY (PATENT PENDING)

- No annual descaling required
- No scale buildup means the heater maintains like-new performance longer

ENERGY STAR® Qualified*

DURABLE HEAT EXCHANGER

- Primary heat exchanger is constructed of a commercial-grade copper that is more resilient to corrosion. Copper is 25x better at heat transfer than Stainless Steel, thus stabilizing outgoing water temperatures quicker
- Secondary heat exchanger is made of 316L Stainless Steel to protect against corrosion

QUALIFIED AS LEAD FREE UNDER THE SAFE DRINKING WATER ACT

SAFETY FEATURES

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

INTERNAL FREEZE PROTECTION SYSTEM

RECIRC CAPABLE

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

POWER DIRECT VENT DESIGN

- Category III or IV venting can be used
- Exhaust, 3" PVC up to 70'; 4" PVC up to 100'
- Provides flexible venting with PVC, CPVC, polypropylene, or ABS Pipe for Intake and Exhaust (solid core only)

WARRANTY

- No hardwater exclusions in the industry's first "peace of mind" limited warranty
- 15-year limited warranty on heat exchanger in residential applications
- 1-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or go to hotwater.com

Model Number	Type	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	
Indoor Models														
ATI-240HX3-N	Natural	15,000	160,000	4.0	10.5	0.94	6.6	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	72
ATI-240HX3-P	Propane	13,000	160,000	8.0	14.0	0.94	6.6	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	72
ATI-340HX3-N+	Natural	15,000	180,000	4.0	10.5	0.95	8	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	72
ATI-340HX3-P+	Propane	13,000	180,000	8.0	14.0	0.95	8	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	72
ATI-540HX3-N	Natural	15,000	199,000	4.0	10.5	0.93	10	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	73
ATI-540HX3-P	Propane	13,000	199,000	8.0	14.0	0.93	10	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	73
Outdoor Models														
ATO-240HX3-N+	Natural	15,000	160,000	4.0	10.5	0.95	6.6	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	71
ATO-240HX3-P+	Propane	13,000	160,000	8.0	14.0	0.95	6.6	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	71
ATO-340HX3-N	Natural	15,000	180,000	4.0	10.5	0.94	8	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	71
ATO-340HX3-P	Propane	13,000	180,000	8.0	14.0	0.94	8	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	71
ATO-540HX3-N+	Natural	15,000	199,000	4.0	10.5	0.95	10	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	73
ATO-540HX3-P+	Propane	13,000	199,000	8.0	14.0	0.95	10	3/4" NPT	3/4" NPT	23-5/8	17-3/4	11-1/4	35-9/16	73

15-150 PSI Water Pressure. 40 PSI or above recommended for maximum flow.
*Current numbers based on factory testing; 0.5 GPM for activation; 0.4 GPM required for continuous fire after initial ignition.
Indoor models are certified from sea level to 10,100 ft. elevations. Outdoor models are certified from sea level to 6,000 ft. elevation.
+ENERGY STAR® Qualified

PROLINE® XE TANKLESS COMBI BOILER

PROLINE® XE BEST

Indoor Installation Only

Ultra-Low NOx Emissions

- 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

Modulating burner with 10:1 turndown ratio

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

Electronic User Interface

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

Power Direct Vent Design

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

Domestic Hot Water flow rate up to 4.8 gpm at 77°F temperature rise

50 PSI max pressure (boiler); 150 PSI max pressure (DHW)

Warranty

- 10-year limited warranty on heat exchanger in residential applications
- 5-year warranty on all parts
- Refer to hotwater.com for further warranty details

Meets: SCAQMD Rule 1146.2

Low Lead Content

ENERGY STAR

AHRI CERTIFIED® www.ahridirectory.org

ANSI Z21.13 • CSA 4.9

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

*S Models can operate up to 4,500'. For high altitude (3,000' - 9,600'), change S to H. For liquid propane (LP), change N to P.
†For LP, minimum supply pressure is 8.0 in. W.C.
Indoor installation only.

PROLINE® XE TANKLESS CONDENSING WITH RECIRCULATION PUMP

PROLINE® XE BEST

OUTDOOR MODEL

INDOOR MODEL

Select models

ANSI Z21.10.3 CSA 4.3

ENERGY STAR® Qualified*

- May also qualify for local utility and rebate programs.

Integrated Recirculation Pump

- 1/2" pipe - 200 equivalent feet
- 3/4" pipe - 500 equivalent feet

Pump Controls

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

Ultra-Low NOx Emissions

- 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

Indoor Models

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

Outdoor Models

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

Common Vent Indoor Models

Easy-Link 540P with Three Other 540H to Increase Flow Capacity

Safety Features

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

Internal Freeze Protection

Warranty

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year warranty on all parts

Model Number*	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF+	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			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	
ATI-540P-N	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 "ATI" to "ATO". 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
+ATO-540P-N and ATO-540P-P are ENERGY STAR® Qualified

PROLINE® XE TANKLESS CONDENSING HIGH EFFICIENCY

PROLINE® XE BEST

140 OUTDOOR MODEL 140 INDOOR MODEL

240 OUTDOOR MODEL 240 INDOOR MODEL

Select models

AHRI CERTIFIED® www.ahridirectory.org

ANSI Z21.10.3 CSA 4.3

ENERGY STAR® Qualified*

- May also qualify for local utility and rebate programs

Condensing Technology Provides Up to 0.95 UEF

Ultra-Low NOx Emissions

- 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

Heat Exchanger

- Primary heat exchanger of the ATI/ATO-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

Maximum Flow Rates up to 10.0 GPM

Indoor Models

- Include integrated temperature controls with advanced diagnostics to simplify installation and troubleshooting
- Include factory-installed power cord

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

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

Model Number*	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			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	
ATI-140H-N	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
ATI-240H-N	15,000	160,000	4.0	10.5	0.94	0.95 +	3/4" NPT	3/4" NPT	3.5	3.5	23-5/8	17-3/4	11 1/4	71
ATI-340H-N	15,000	180,000	4.0	10.5	0.95 +	0.94	3/4" NPT	3/4" NPT	4	4	23-5/8	17-3/4	11 1/4	71
ATI-540H-N	15,000	199,000	4.0	10.5	0.93	0.95 +	3/4" NPT	3/4" NPT	4.5	4.5	23-5/8	17-3/4	11 1/4	71

*For outdoor models, change "ATI" to "ATO". For propane models, change "N" to "P"
**For propane models, minimum is 13,000
***For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.
† Cold climate represents 70°F temperature rise
‡ Warm climate represents 50°F temperature rise
+ ENERGY STAR® Qualified

PROLINE® XE TANKLESS NON-CONDENSING CONCENTRIC VENT

PROLINE® XE BEST

510c Models 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 and other air quality management districts with similar requirements for Ultra-Low NOx emissions requirements of 14 ng/J or 20 PPM

Maximum Flow Rates up to10.0 GPM

Primary Heat Exchanger

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

Indoor Models Only

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

ATI-510C Can be Used in Both Residential and Commercial Applications

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

Safety Features

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

Internal Freeze Protection

Warranty

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			Approx Shipping Weight
	Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-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
ATI-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

PROLINE® XE BEST

OUTDOOR MODEL

INDOOR MODEL

LOW-LEAD IAPMO R&T

DESIGN CERTIFIED

Meets: SCAQMD Rule 1146.2 California and Texas

NSF 510U Models

AHRI CERTIFIED® www.ahridirectory.org

ANSI Z21.10.3

Ultra-Low NOx Emissions

- 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

Field Convertible from Natural Gas to Propane

Maximum Flow Rates Up To 10.0 GPM

Copper Primary Heat Exchanger

- Primary heat exchange of the ATI/ATO-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 with advanced diagnostics to simplify installation and troubleshooting
- Include factory-installed power cord

Outdoor Models

- Include wall mount remote control with advanced diagnostics to simplify installation and troubleshooting

ATI-510U / ATO-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
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			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	
ATI-110U	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
ATI-310U	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
ATI-510U	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 "ATI" to "ATO". 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

ELECTRIC TANKLESS

PROLINE® XE BEST

Dry-Fire Protection

- Prevents element failure due to dry fire
- Internal air bypass
- Temporary shutoff with excess air in chamber

Wide Variety of KW and Voltage Options for Every Application

- 12.2kW – 32kW
- 208V and 240V options

Easy Install

- Mounts easily to the wall
- No venting required
- ¾" NPT water connections
- No T&P valve required (check local codes)

Continuous Hot Water When Sized Appropriately

Scale-Reduction Technology

- Reduces failures and service requirements due to hard scale buildup
- Power-sharing technology reduces scale deposits on the element
- Dupont™ Zytel® chambers naturally resist scaling buildup

Soft Start

- Unit will not cause lights to dim with hard electricity draw

Code Compliance

- Meets current UBC and CEC National Codes
- Meets or exceeds current federal minimum energy standards, according to the National Appliance Energy Conservation Act (NAECA)
- Listed and tested to UL 499 Appliance and UL 834 Space Heating standards
- Control tested to achieve temperature limit control requirements of UL 353 and CSA C22.2

5-Year Limited Warranty

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

Model Number	Wattage (kW)	Voltage (V)	Amperage (A)	UEF	Dimensions (in)			Approx. Shipping Weight (lbs)
					Height	Width	Depth	
2-Chamber Models								
R2VA-140E	14	240	58	0.84	17-3/4	11-1/2	6-1/8	13
R2VA-140X	14	208	67	0.84	17-3/4	11-1/2	6-1/8	13
R2VA-160E	16	240	67	0.84	17-3/4	11-1/2	6-1/8	13
4-Chamber Models								
R4LA-180E	18	240	75	0.92	18-1/8	17	6-1/8	20
R4LA-220E	22	240	92	0.92	18-1/8	17	6-1/8	20
R4LA-240E	24	240	100	0.92	18-1/8	17	6-1/8	20
R4LA-280E	28	240	117	0.92	18-1/8	17	6-1/8	20
R4LA-280X	28	208	135	0.92	18-1/8	17	6-1/8	20
R4MA-320E	32	240	133	0.93	18-1/8	17	6-1/8	20

Dimensions and specifications are subject to change without notice in accordance with our policy of continuous product improvement.
Temperature Range: 90°- 140°F.
Recommended that all wire be rated 90°C or greater.
Factory set point is 120°F. This can easily be changed in the field as needed or desired.
Refer to National Electric Code Article 220 for calculating load contribution.
240V models can run on 208V with 25% reduced power output.
Refer to local code where applicable.
* Maximum recommended wire size is #6 cu AWG.

PUMP TANKS

NSF
Certified to NSF/ANSI 61-G and 372

Multiple Head Construction Adds Structural Strength and More Capacity within the Same Diameters

- Interior powder coating is permanently bonded to the tank shell for ultimate protection on the water side of the tank
- Butyl rubber parabolic diaphragm
- Positive lock retention system controls compression in the diaphragm connection, eliminating air loss or water leaks in tank

Same Diameters

- Electrostatically applied powder-coated exterior for maximum sunlight (UV) resistance with zinc phosphate undercoat for highest corrosion resistance

Corrosion-resistant metal air valve

Welded steel base

5-year limited warranty

PROLINE® GOOD

Model Number	Volume (Gallons)	Connecting NPT Size	Dimensions in Inches			Weight (lbs.)
			Overall Height	To Center of Water Inlet	Diameter	
PMI (Inline) and PM (Free-Standing) Series						
PMI-2	2.0	3/4 (M)	10-3/16	-	8-1/4	5
PMI-5	4.6	3/4 (M)	14-3/4	-	11	9
PMI-7	7.3	3/4 (M)	21-1/16	-	11	14
PMI-14	13.9	1 (M)	21-1/16	2	15-3/8	24
PM-14	13.9	1 (F)	24-15/16	2	15-3/8	24
PM-20	19.9	1 (F)	32-3/8	2	15-3/8	34
PM-26	25.9	1 (F)	39-9/16	2	15-3/8	43
PM-32	31.8	1 (F)	47-1/4	2	15-3/8	52
PM-45	45.2	1-1/4 (F)	36-9/16	2-1/2	22	65
PM-65	65.1	1-1/4 (F)	48-5/8	2-1/2	22	90
PM-85	84.9	1-1/4 (F)	60-11/16	2-1/2	22	114
PM-86	83.5	1-1/4 (F)	46	2-1/2	26	116
PM-119	115.9	1-1/4 (F)	61-5/16	2-1/2	26	161
Horizontal Series						
PMH-7	7.3	3/4 (M)	12-7/8	6-3/4	11	16
PMH-14	13.9	1 (M)	18-1/4	8-3/4	15-3/8	25
PMH-20	19.9	1 (M)	18-1/4	8-3/4	15-3/8	36

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

EXPANSION TANKS

PROLINE® GOOD

Interior Powder Coating is Permanently Bonded to the Tank Shell for Ultimate Protection on the Inside of the Tank

Butyl Rubber Parabolic Diaphragm

Positive Lock Retention System Controls Compression in the Diaphragm Connection, Eliminating Air Loss or Water Leaks in Tank

Corrosion-Resistant Metal Air Valve

5-Year Limited Warranty on Potable Expansion Tanks

1-Year Limited Warranty on Hydronic Expansion Tanks

NSF Certified to NSF/ANSI 61-G and 372

UPC

When used in potable applications

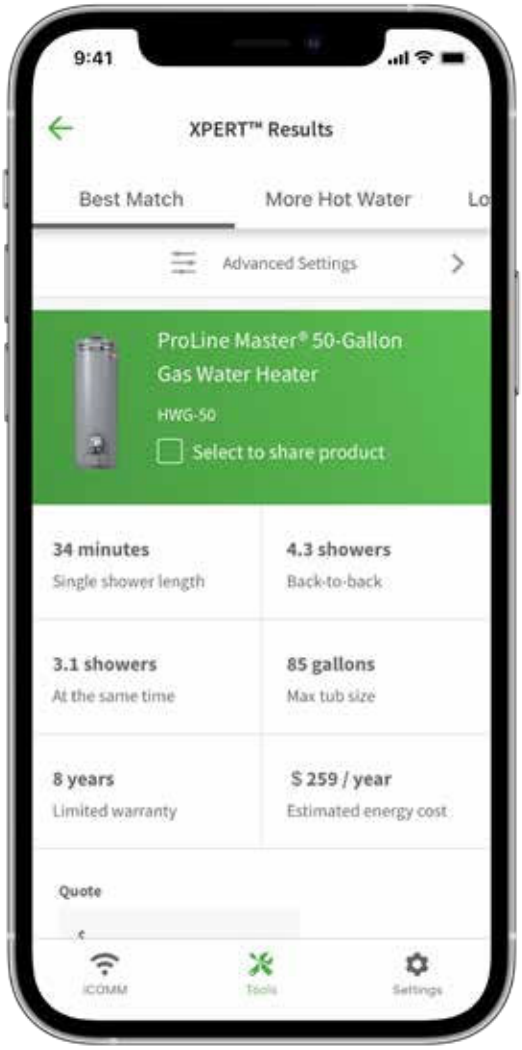
Model Number	Maximum (PSIG) Working Pressure	Tank Volume (Gallons)	Maximum Accepted Volume (Gallons)			Connection NPT Size	Dimensions in Inches		Weight (lbs)
			20 PSI	40 PSI	60 PSI		Overall Height	Diameter	
PMC-Series (Potable Expansion Tanks - 5-Year Limited Warranty)									
PMC-2	150	1.96	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
PMC-5	150	4.55	3.75	3.05	2.19	3/4	14-3/4	11	9
PMC-10	150	9.25	7.80	6.55	5.25	3/4	15-1/2	15-3/8	18
TW-Series (Potable Expansion Tanks - 1-Year Limited Warranty)									
TW-5	150	2.10	1.53	1.27	1.03	3/4	10/3/2016	8-1/4	5
TW-12	150	4.40	3.75	3.05	2.19	3/4	14-3/4	11	9
PMET-Series (Hydronic Expansion Tanks - 1-Year Limited Warranty)									
PMET-2	100	1.96	1.53	N/A	N/A	1/2	10/3/2016	8-1/4	5
PMET-5	100	4.55	3.75	N/A	N/A	1/2	14-3/4	11	9
PMET-7	100	7.30	4.60	N/A	N/A	1/2	21-1/16	11	14
PMET-14	100	14.6	10.5	N/A	N/A	1/2	23-1/2	15-3/8	25

All PMC and TW models 38 psi pre-charge.
All PMET models 12 psi pre-charge.

Grow Your Business with the Help of an Xpert.

Download the A. O. Smith App for access to the A. O. Smith Xpert™ Water Heater Selection Tool and more resources for your business.

- **Product Cross Reference**
- **Warranty Check**
- **iCOMM Remote Connectivity**



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