



# Tank Water Heaters



**HIGH QUALITY PRODUCTS, CRAFTSMAN QUALITY INSTALLATION**

*Choose between affordable models and top-of-the-line efficiency models.*



# Choosing a Tank Water Heater



## ▶ TANK SIZE & NEEDS

Sizing helps match the capacity of the hot water source to the needs of the homeowner. For tank water heaters, the key criterion is hot water storage capacity which is measured by First Hour Rating<sup>1</sup> (FHR), as well as, number of users, bathroom and major appliance types, and usage style.

Establishing peak demand is measured in Gallons Per Hour<sup>2</sup> (GPH). A tank water heater is chosen based on the GPH evaluation to meet the demand of the household.

## ▶ FUEL TYPES

Choosing which fuel type depends largely on where you live. If you have access to natural gas, it can be a very fuel efficient way to go. If you live in outlying areas where natural gas isn't available, then your home would be set up with an electric or propane tank water heater.

## ▶ VENTING TYPES

There are a number of different types of vents which can be used with a tank water heater. Ensuring the right type of vent is installed for the type of water heater you are fitting is important. Types of vents include atmospheric vents<sup>4</sup>, direct vents<sup>5</sup>, power vents<sup>6</sup>, and direct power vents<sup>7</sup>.

## ▶ ENERGY EFFICIENCY & UTILITY BILL SAVINGS

Water heaters are the second highest source of energy usage in the home. ENERGY STAR<sup>®</sup> certified water heaters are an easy choice for energy savings, performance, and reliability. They use less energy than standard models, saving homeowners money on their utility bills while helping protect the climate. Performance is measured by meeting the Uniform Energy Factor<sup>3</sup> (UEF) criteria.

## ▶ BENEFITS OF ANODE RODS & MIXING VALVES

The **Anode Rod** helps prevent corrosion inside the water tank. Anode rods will last four to six years before needing replacement. A **Mixing Valve's** purpose is to ensure comfortable water temperatures. If you install a mixing valve and slightly increase the target temperature on the hot water tank, you can increase the capacity of your tank up to 50%.

## ▶ WATER HEATER WARRANTIES

A great warranty lets you enjoy your HVAC equipment with confidence. RUUD<sup>®</sup>, Rheem<sup>®</sup>, and HTP<sup>®</sup> build trusted reliability into every product, providing additional peace of mind with water heater warranty protection. Hot water tank warranties range from 6 years to lifetime limited warranties dependent on size, features, and brand.

# Energy Ratings & Vent Terminology



▶ **FHR<sup>1</sup>** — *First Hour Rating* is the number of gallons of hot water the water heater can supply per hour, starting with a full tank full of hot water.

▶ **GPH<sup>2</sup>** — *Gallons Per Minute* is a measurement to determine the amount of water a tank water heater is capable of heating at any given time.

▶ **UEF<sup>3</sup>** — *Uniform Energy Factor* is a measure of its energy efficiency, with higher numbers denoting more efficient units.

▶ **RECOVERY** — A water heater's recovery time (also called recovery rate) is the amount of hot water in gallons a tank water heater can provide in one hour after being completely drained.

▶ **BTU/H** — *British Thermal Units per Hour* measure the required energy to raise the temperature of 1 pound of water from 60 to 61 degrees at one atmospheric pressure.

▶ **ATMOSPHERIC VENT<sup>4</sup>** — Standard atmospheric venting uses a vertical or upward sloping metal duct to vent exhaust out of the home.

▶ **DIRECT VENT<sup>5</sup>** — These types of water heaters bring in air for combustion from outside the home instead of using air from within the home.

▶ **POWER VENT<sup>6</sup>** — Power vent gas water heaters come with an electric blower fan installed on top of the unit. This requires an electrical outlet near the water heater.

▶ **DIRECT POWER VENT<sup>7</sup>** — Similar to direct venting, direct power venting uses a blower to pull in air from outside the home directly to the water heater to use for combustion.





### RUUD Achiever Atmospheric

- ▶ 29-50 Gal. Capacity | Natural Gas
- ▶ 6-year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .58 - .66 UEF | Up to 40,000 BTU/h
- ▶ More hot water at low operating costs
- ▶ Low emissions, eco-friendly burner

#### PERFORMANCE

- ▶ FHR: 51-87 gallons
- ▶ Recovery: 30.3 to 40.4 GPH at a 90°F rise, depending on model

#### FEATURES

- ▶ Exclusive air/fuel shut off
- ▶ Maintenance free — no filter to clean



### RUUD Achiever+ PRO Atmospheric

- ▶ 48 Gal. Capacity | Natural Gas
- ▶ 8-year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .58 - .66 UEF | Up to 60,000 BTU/h
- ▶ More hot water at low operating costs
- ▶ Low emissions, eco-friendly burner

#### PERFORMANCE

- ▶ FHR: 66-105 gallons (natural gas)
- ▶ Recovery: 36.4 to 61 GPH at a 90°F rise, depending on model

#### FEATURES

- ▶ Exclusive air/fuel shut off
- ▶ Maintenance free — no filter to clean



### RUUD Achiever+ PRO Heavy Duty Atmospheric

- ▶ 75 Gal. Capacity | Natural Gas
- ▶ 8-12 year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .61 UEF | Up to 75,100 BTU/h
- ▶ 80% thermal efficient
- ▶ Low emissions, eco-friendly burner

#### PERFORMANCE

- ▶ FHR: 100 gallons
- ▶ Recovery: 72.8 GPH

#### FEATURES

- ▶ Exclusive air/fuel shut off
- ▶ Maintenance free — no filter to clean



### Rheem Classic+ PRO Induced Draft

- ▶ 30 Gal. Capacity | Natural Gas
- ▶ 8-12 year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .71 UEF | Up to 60,000 BTU/h
- ▶ ENERGY STAR® rated

#### PERFORMANCE

- ▶ FHR: 93 gallons
- ▶ Recovery: 61 GPH at a 90°F rise, exceeds standard 50 gallon by up to 34%

#### FEATURES

- ▶ Enhanced flow brass drain valve
- ▶ Compact with small foot print



### Rheem Classic+ PRO Power Damper

- ▶ 40, 50 Gal. Capacity | Natural Gas
- ▶ 8-12 year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .65-.70 UEF | Up to 50,000 BTU/h
- ▶ ENERGY STAR® rated

#### PERFORMANCE

- ▶ FHR: 69-85 gallons
- ▶ Recovery: up to 50.5 GPH at a 90°F rise, depending on model

#### FEATURES

- ▶ Econet® enabled WiFi connectivity



### Rheem Classic+ PRO Power Direct Vent

- ▶ 50 Gal. Capacity | Natural Gas
- ▶ 8-12 year limited tank and parts warranty\*

#### EFFICIENCY

- ▶ .65 UEF | Up to 65,000 BTU/h

#### PERFORMANCE

- ▶ FHR: 111 for natural gas and 81 for LP gas
- ▶ Recovery: 47.5 to 65.7 GPH at a 90°F rise, based on model
- ▶ Elec. gas control for improved monitoring

#### FEATURES

- ▶ New whisper quiet blower
- ▶ 120 VAC powered blower

\* Ask your WES Home Project Advisor for details on WES Rebates and Warranties. Extended warranty is with ProtectionPlus. See residential warranty certificate for complete information.



## RUUD Achiever Direct Vent

- ▶ 40, 50 Gal. Capacity | Natural Gas
- ▶ 6-10 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .56 - .61 UEF | Up to 36,000 BTU/h
- ▶ Reduced stand-by heat loss
- ▶ Gas control and combination thermostat

### PERFORMANCE

- ▶ FHR: 64 - 80 gallons
- ▶ Recovery: 30.3 to 36.4 GPH at a 90°F rise, depending on model

### FEATURES

- ▶ Exclusive corrosion resistant Ruudglas® tank lining



## RUUD Achiever Power Vent

- ▶ 50 Gal. Capacity | Natural Gas
- ▶ 6-10 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .65 - .70 UEF | Up to 42,000 BTU/h
- ▶ ENERGY STAR® Rated
- ▶ Low NOx design, eco-friendly burner

### PERFORMANCE

- ▶ FHR: 66 - 86 gallons
- ▶ Recovery: 32.4 to 42.4 GPH at a 90°F rise

### FEATURES

- ▶ New whisper quiet blower
- ▶ Protective control system disables heater in the presence of flammable vapor



## RUUD Achiever+ PRO Heavy Duty Power Vent

- ▶ 75 Gal. Capacity | Natural Gas
- ▶ 8-12 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .59 UEF | Up to 75,100 BTU/h

### PERFORMANCE

- ▶ FHR: 110
- ▶ Recovery: 72.8 GPH

### FEATURES

- ▶ New whisper quiet blower
- ▶ Protective control system disables heater in the presence of flammable vapor
- ▶ Offers larger capacity than standard power vent

## RUUD® Achiever — Propane Gas



## RUUD Achiever Atmospheric LP B-Vent

- ▶ 50 Gal. Capacity | Propane
- ▶ 6-10 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .58-.66 UEF | Up to 40,000 BTU/h
- ▶ More hot water at low operating costs

### PERFORMANCE

- ▶ FHR: 51-87 gallons
- ▶ Recovery: 30.3 to 40.4 GPH at a 90°F rise, depending on model

### FEATURES

- ▶ Exclusive air/fuel shut-off device
- ▶ Easy to light, no matches required



## RUUD Achiever+ PRO Heavy Duty LP B-Vent

- ▶ 75 Gal. Capacity | Propane
- ▶ 8-12 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .63 UEF | Up to 75,100 BTU/h
- ▶ More hot water at low operating costs

### PERFORMANCE

- ▶ FHR: 120 gallons
- ▶ Recovery: 72.8 GPH at a 100°F rise

### FEATURES

- ▶ Elec. gas control for improved monitoring and service
- ▶ Whisper quiet blower



## RUUD Achiever Direct Vent LP

- ▶ 50 Gal. Capacity | Propane
- ▶ 6 year limited tank and parts warranty\*

### EFFICIENCY

- ▶ .61 UEF | Up to 36,000 BTU/h
- ▶ Well insulated for reduced stand-by heat loss

### PERFORMANCE

- ▶ FHR: 79 gallons
- ▶ Recovery: 33.3 GPH at a 90°F rise

### FEATURES

- ▶ Exclusive corrosion resistant Ruudglas® tank lining
- ▶ Enhanced flow brass drain valve

**RUUD® Achiever & Ultra — Electric**



**RUUD Achiever Electric**

- ▶ 40, 50 Gal. Capacity | Electric
- ▶ 6 year limited tank and parts warranty\*

**EFFICIENCY**

- ▶ .90-.93 UEF | 240 Volt AC Single Phase
- ▶ Isolated tank design reduces heat loss

**PERFORMANCE**

- ▶ FHR: 45-67 gallons
- ▶ Recovery: 21 GPH at a 90°F rise

**FEATURES**

- ▶ Ruudglas® tank lining resists corrosion
- ▶ EverKleen® self cleaning device fights harmful sediment build-up



**RUUD Ultra™ Hybrid HP Electric with Leakguard™**

- ▶ 50-80 Gal. Capacity | Electric
- ▶ 10 year limited tank and parts warranty\*
- ▶ Heat pump/high demand operation mode

**EFFICIENCY**

- ▶ 4.0 UEF | 208-240 Volt
- ▶ Save up to \$480 per year in energy cost
- ▶ ENERGY STAR® rated
- ▶ 4x More efficient than a standard electric

**PERFORMANCE**

- ▶ FHR: 67-87 gallons
- ▶ Recovery: 27 GPH at a 90°F rise

**FEATURES**

- ▶ LeakSense™ Leak Detection System + EcoNet® WiFi compatibility



**COMBINATION REBATES**

Exclusive rebates offered only with WES

**GET \$450 OFF WATER HEATERS\***

when you combine your water heater with another HVAC installation.  
 + Plus get additional savings on heating, cooling & generators.

instant \$1,100 rebate



+ Add a Full Central Air System

instant \$700 rebate



+ Add a Gas Fireplace Insert

instant \$450 rebate



+ Add a Heat Pump

instant \$1,000 rebate



+ Add a Honeywell Generator

**HTP® Phoenix & Everlast — Natural Gas & Electric**



**HTP Phoenix Light Duty Rapid Recovery**

- ▶ 50, 60, 80 Gal. Capacity | Natural Gas
- ▶ 7-10 year limited tank and parts warranty\*

**EFFICIENCY**

- ▶ .90-.87 UEF | Up to 25,000-76,000 BTU/h

**PERFORMANCE**

- ▶ FHR: 154-206
- ▶ Recovery: 98 GPH at a 90°F rise, 94-97%
- ▶ Large volume water, faster

**FEATURES**

- ▶ Flame stabilization monitoring
- ▶ Integrated control system



**HTP Everlast Light Duty Commercial Electric**

- ▶ 80, 100, 115 Gal. Capacity | Electric
- ▶ Limited lifetime warranty\*

**EFFICIENCY**

- ▶ 98% thermal efficiency

**PERFORMANCE**

- ▶ FHR: 84-105
- ▶ Recovery: 20 GPH at a 90°F rise
- ▶ Low standby heat losses

**FEATURES**

- ▶ Stainless steel tank
- ▶ Heavy duty insulation
- ▶ Two titanium elements

# Our Community, Our Promise

Homeowners throughout the Puget Sound area have come to know us for providing best-in-class service, transparent pricing, and exceptional communication. Our awards, certifications, and strong partnerships with the utility companies, like Puget Sound Energy, have given the Northwest community peace of mind when choosing a reliable home advocate.

## Our Superior Reputation

★★★★★ **Guild Quality** — A+ ~7,000 Reviews      ★★★★★ **Angie's List** — A+ ~1,000 Reviews

**AWARD** **Medal of Excellence Award — Bryant**

★★★★★ **Google**

**AWARD** **Super Service Award — Angie's List**

★★★★★ **Facebook**

"Washington Energy Services is by far the most honest, efficient and professional companies around. We had a new hot water heater and a new A/C installed into an existing central heating/duct system and a split on the third floor. Prices beat the competition..."

— Zach F., ★★★★★ **GOOGLE**

"The technicians were friendly, courteous and prompt, as always. They carried out their work in a professional manner, and provided valuable suggestions for operating and maintaining the system they installed. They even took time to locate and insulate a pipe that was not part of the installation work scope."

— Eric M., ★★★★★ **GUILD QUALITY**

"Washington Energy Services employees are, quite simply, the best. The service people, sales people, installers, electricians, and office staff. I tell people that it is critical that we are comfortable with the people that come into our house. WA Energy employees are friendly, knowledgeable, and professional. They are also kind, respectful, and caring. It is a pleasure having them in our home."

— Jeanne P., ★★★★★ **GUILD QUALITY**

"Washington Energy has installed three major things for my home from air conditioning to water heater and had an emergency furnace replaced. They were extremely professional on time and overall just a great company. I've worked with them on a few locations that I have. I can honestly say I would definitely hire them again. I highly recommend them!"

— Monica N., ★★★★★ **YELP**

"Had a new furnace and hot water tank from WES installed. 100% satisfaction from start to finish. Thanks to all WES employees for a job well done."

— Bob J., ★★★★★ **FACEBOOK**

"Washington Energy Service was fast and efficient. They came out the same day to quote and we had a replacement installed the following day. We had a drip pan, new expansion tank and audible alarm installed at time of service."

— Sarah K., ★★★★★ **ANGIE'S LIST**

# Washington Energy Services



**From Install to Comfort, We've Got You Covered.**

Call today 1-800-398-4663 | [www.WashingtonEnergy.com](http://www.WashingtonEnergy.com)



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