



POLARIS[®]

HIGH EFFICIENCY WATER HEATERS



POLARIS® HIGH EFFICIENCY WATER HEATERS

Polaris® High Efficiency Water Heaters embody all that's best about the American brand—from reliable and quiet performance to high efficiency ratings. Made right here at home, Polaris water heaters are the ideal choice for today's homeowners.

POLARIS WATER HEATERS AT A GLANCE

- *Up to 96% thermal efficiency*
- *Whisper-quiet operation*
- *Easy to install and service*
- *Best choice for large homes and multiple hot water needs*
- *Self-diagnostic control system*
- *10-year limited warranty on tank, 1-year limited warranty on parts*



POLARIS® HIGH EFFICIENCY WATER HEATERS

THE RIGHT CHOICE FOR HOT WATER

Polaris water heaters are the ideal product for large home applications where multiple tasks like dishwashing, showers, clothes washing and hot tubs are performed simultaneously. Polaris models heat up to 386 gallons per hour (GPH) at a 60°F temperature rise, compared to 61 GPH for standard gas water heaters.



WATER HEATING*

Provides up to 386 GPH of hot water . . .

Enough Hot Water to Run Two Showers Forever!

SPACE HEATING**

Provides up to 191,000 BTU/Hr for space heating . . .

Enough Heat for a 3,820 Sq. Ft. Home!

COMBINED SPACE AND WATER HEATING***

Provides up to 60 GPH of hot water
and up to 146,000 BTU/Hr for space heating . . .

Enough Water for 4 Showers/Hr.

and Enough Heat for a 2,920 Sq. Ft. Home!

*Assumes 105°F shower temperature, 45°F inlet water temperature, and 3 GPM shower flow rate.

**Assumes 50 BTU/Sq. Ft. maximum heat loss. Heat load requirements in actual application must be calculated according to industry-accepted standards, such as "Manual J" method. Do not attempt to use Polaris water heaters for space heating without determining appropriate heat load requirements.

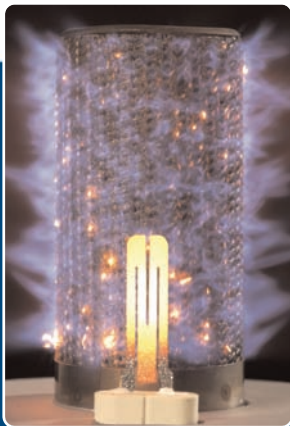
***Assumes 105°F shower temperature, 45°F inlet water temperature, and 3 GPM shower flow rate. Assumes 50 BTU/Sq. Ft. maximum heat loss. Heat load requirements in actual application must be calculated according to industry-accepted standards, such as "Manual J" method. Do not attempt to use Polaris water heaters for space heating without determining appropriate heatload requirements.

FEATURES

- *Stainless steel tank with coil design/ submerged combustion for high quality, fast water heating*
- *Large capacity (up to 50 gal) with 199,000 BTU input*
- *Non-CFC foam insulation*
- *Zero-clearance to combustible building materials*
- *“Plug and play” technology*
- *Electronic immersion thermostat*
- *Combined space and water heating (forced air hydronic heat and radiant hydronic heat)*
- *Factory-installed side T&P valve*
- *Full flow brass drain valve and intake filter*
- *Factory provided tempering valve*
- *Certified to Current Edition ANSI Z21.10.3/CSA 4.3*
- *Meets or exceeds ASHRAE/IESNA 90.1-current standard*
- *FVIR Compliant*



*Woven
Metal Burner*





UP TO \$1,500 IN TAX CREDIT

High efficiency water heaters are not just environmentally sound—over the course of their life-cycles, they can also help homeowners save a lot of money. Due to a recent extension of residential tax credits for energy-efficient improvements, all Polaris water heaters from American are now eligible* for a tax credit of 30% of the unit's total cost up to \$1,500.**

** To be eligible, units must be placed into service by December 31, 2010.*

***For more information, visit www.americanwaterheater.com*

Model Number	Capacity (Gallons)	Input BTU Per Hr.	G.P.H.Recovery (90° rise)	1st Hour Rating (Gallons)	Vent Diameter (Inches)	Exterior Height (Inches)	Thermal Efficiency (%)
PG10 34-100-2NV	34	100,000	129	156	2 or 3	48-1/2	96
PG10 34-130-2NV	34	130,000	168	195	2 or 3	48-1/2	96
PG10 34-150-2NV	34	150,000	192	215	2 or 3	48-1/2	95
PG10 50-130-2NV	50	130,000	166	206	2 or 3	62-1/2	95
PG10 50-150-2NV	50	150,000	192	226	2 or 3	62-1/2	95
PG10 50-175-3NV	50	175,000	226	264	3	63-3/4	96
PG10 50-199-3NV	50	199,000	257	295	3	63-3/4	96

UP TO
96%
THERMAL
EFFICIENCY

RESIDENTIAL POLARIS®
10-YEAR TANK
1-YEAR PARTS WARRANTY

RADIANT HYDRONIC HEAT

Polaris water heaters work great for homeowners who prefer radiant hydronic heat. With radiant floor hydronic systems, potable hot water is circulated through tubes under the floor. The floor absorbs heat from the tubes and radiates it into the room. With radiant baseboard heat, potable hot water is circulated through finned tube baseboard. Heat rises from the baseboard heaters, warming the home.

*NOTE: All water components must be approved for use with potable water.
Illustration provided by Uponor Wirsbo*



FORCED AIR HYDRONIC HEAT

Polaris water heaters combine an air handler for comfortable forced air hydronic space heating with potable hot water. Hot water is circulated through a coil in the air handler. Air from the home is warmed as it is blown across the coil. Warmed air is returned to the home through air ducts. With up to 199,000 BTU, Polaris water heaters can heat most homes, large or small.



500 Tennessee Waltz Parkway • Ashland City, TN 37015
www.americanwaterheater.com