

### POLARIS™ HIGH EFFICIENCY

#### CONDENSING DESIGN

- High efficiency operation with 0.90 Uniform Energy Factor GHX-34-100 and up to 96% thermal efficiency to save money on operating costs
- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water

#### STAINLESS STEEL CONSTRUCTION

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

#### WHISPER QUIET OPERATION

- Ultra quiet blower and burner to minimize noise

#### POWER DIRECT VENT DESIGN

- Direct vent using PVC, CPVC or Polypropylene (solid core only) through a sidewall or roof
- Optional concentric vent kit
- 2" pipe vents up to 52 equivalent feet (100-150k BTU/hr inputs)
- 3" pipe vents up to 130 equivalent feet

#### ADVANCED ELECTRONIC CONTROL

- Large touchscreen display
- Precise temperature control
- Advanced water heater status and diagnostics

#### FULLY SERVICEABLE FROM THE FRONT

- Two front access panels expose all serviceable components. Modular components are all easily removed.

#### ULTRA-LOW NO<sub>x</sub> MODULATING GAS BURNER

- Enhanced Ultra-low NO<sub>x</sub> burner complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for NO<sub>x</sub> emissions of less than 14 ng/j
- Modulating burner maintains high efficiency operation at lower input rates

#### SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Polaris can be easily installed with a recirculation system or as part of a combined domestic & space heating system

#### AVAILABLE IN NATURAL GAS OR PROPANE

#### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

#### STANDARDS AND CERTIFICATIONS

- Design-certified by CSA International according to ANSI Z21.10.3 – CSA 4.3 Standards
- Meets UBC, CEC, 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 [statewaterheaters.com](http://statewaterheaters.com)

\*When sized appropriately. Model GHX 50 199 N can deliver 6.95 GPM continuous flow, based on 65°F inlet water temperature, 120°F outlet temperature.



**MODEL SHOWN GHX-50-199  
SERIES 200/201**



# SOLID. STATE.

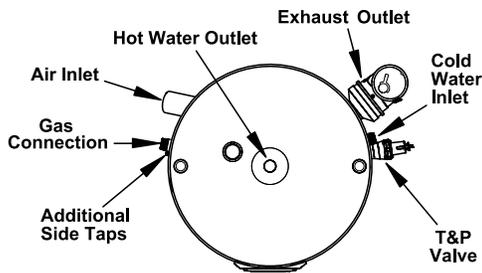


# COMMERCIAL-GRADE

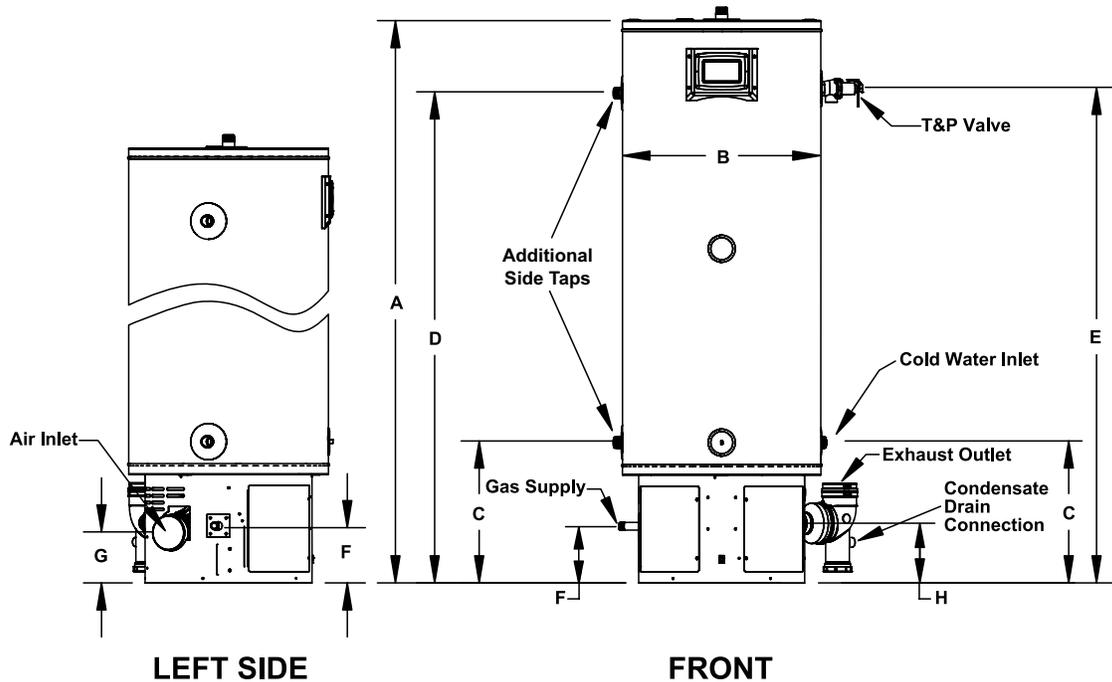
## RESIDENTIAL GAS WATER HEATERS

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches		Vent Connection	1" Water Connections		T&P	Gas Supply*	Approx. Shipping Weight (lbs)
								A	B		E	F			
GHX-34-100-N	34	33	170	0.90	96%	129	100,000	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-3/8	150
GHX-34-130-N	34	N/A	N/A	N/A	96%	165	130,000	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-3/8	150
GHX-34-150-N	34	N/A	N/A	N/A	94%	190	150,000	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-3/8	150
GHX-50-130-N	50	N/A	N/A	N/A	95%	165	130,000	62-3/8	22	2 or 3	15-3/4	54-1/2	55	6-3/8	176
GHX-50-150-N	50	N/A	N/A	N/A	95%	190	150,000	63-3/4	22	2 or 3	15-3/4	55-3/4	56-1/4	6-3/8	180
GHX-50-175-N	50	N/A	N/A	N/A	96%	222	175,000	63-3/4	22	3	15-3/4	55-3/4	56-1/4	6-3/8	180
GHX-50-199-N	50	N/A	N/A	N/A	96%	253	199,000	63-3/4	22	3	15-3/4	55-3/4	56-1/4	6-3/8	180

\*For propane models change "N" to "P" in the model number (example: GHX-50-199-P)  
Models certified for sea level to 7,700 ft. elevation.



**Top Outlet: 1" NPT**  
**Side Inlet: 1" NPT**  
**Side Taps: 1" NPT**  
**Condensate Drain Outlet: 1/2" NPT**



FOR MORE INFORMATION ON CALL 1-800-365-0024. STATE WATER HEATERS RESERVES THE RIGHT TO MAKE PRODUCT CHANGES OR IMPROVEMENTS WITHOUT PRIOR NOTICE.