

EASY TO INSTALL. EASY TO MAINTAIN.

The Vertex family provides all the hot water of a larger water heater in a standard footprint, making it the natural choice for replacement when upgrading your water heater. The versatile design allows combined vertical or horizontal vent runs of up to 128 equivalent feet. All give more precise control of the water temperature and easy-to-understand system diagnostics.



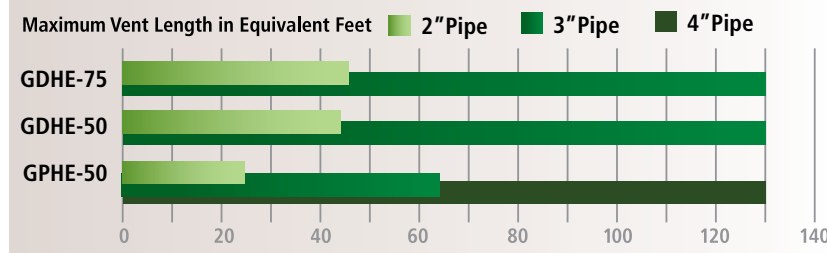
GPHE-50



GDHE-75



GDHE-50



Performance, efficiency and ease of installation—the Vertex provides the best of all worlds for high-demand applications.

Model Number	Gallon Capacity	Recovery @ 90°F Rise (GPH)	BTU Input Per Hour	Vent Size	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Heater	Height to T&P	Diameter	
GPHE-50	50	92	76,000	2,3 or 4	71	52	22	210
GDHE-50	50	129	100,000	2 or 3	66-3/4	49-1/4	22	255
GDHE-75	75	129	100,000	2 or 3	65-1/4	45-5/8	27-3/4	382



www.hotwater.com

A. O. Smith reserves the right to make product changes or improvements at any time without notice

AOSRG01001 | © October 2015 A. O. Smith Corporation | A. O. Smith | 500 Tennessee Waltz Pkwy | Ashland City, TN 37015 | Printed in U.S.A

VERTEX™. THE "PEAK DEMAND" WATER HEATER.

With more bathrooms, higher-demand appliances, radiant floor heating and more, today's home market demands advanced water heating performance. Now, A. O. Smith brings plumbing contractors a better way to meet growing demand.



The Vertex high-efficiency family combines an advanced internal heat exchanger with input up to 100,000 BTU, inspired by A. O. Smith's time-tested Cyclone commercial design. The result:

- Up to 96% money-saving thermal efficiency heats more water for less energy
- The 50 and 75 gallon models provide more hot water than larger capacity, less efficient units
- Continuous hot water means homeowners can always get "one more hot shower"
- Vents using PVC, CPVC, ABS or Polypropylene, providing tremendous flexibility, and eliminates the effort and expense of metal venting required with some water heaters
- The Vertex 100 models feature an LCD with an easy-to-navigate menu providing unit operating information, diagnostics and precise temperature control
- iCOMM™ Compatible - Can be monitored from remote locations. For more information call 1.888.WATER02 (Vertex 100 models only).

ADD IT ALL UP AND IT'S EASY TO SEE THE VERTEX DIFFERENCE.



A COMMERCIAL GRADE PERMAGLAS® ULTRA COAT™ GLASS LINING
Protects the tank and helical heat exchanger against corrosion and leaks.

B TWO HEAVY-DUTY ANODE RODS
Provide even more protection against corrosion.

C LONG-LASTING PEX CROSS-LINKED POLYMER DIFFUSER DIP TUBE
Withstands long-term exposure to water up to 400°F.

D HELICAL INTERNAL HEAT EXCHANGER
Spiral heat exchanger keeps hot combustion gases in the tank longer for high efficiency operation.

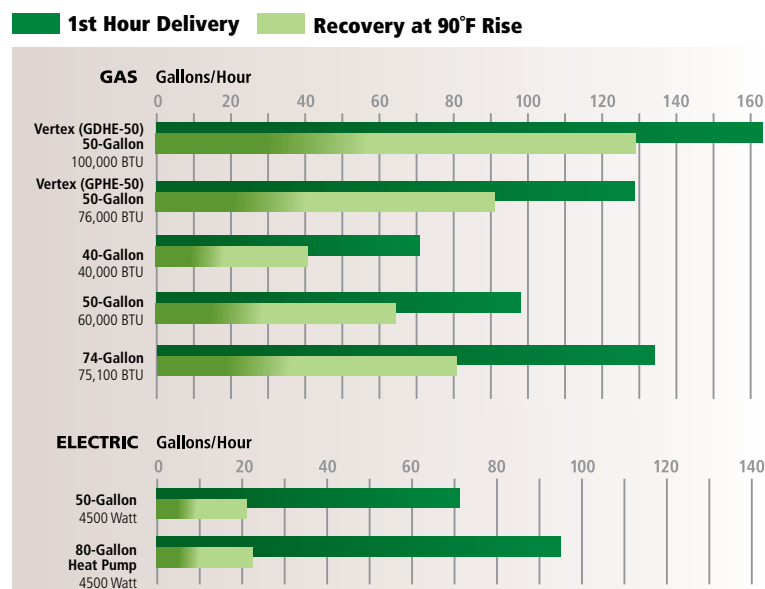
E TOP FIRED ULTRA-LOW NOx GAS BURNER
Enhanced Ultra-low NOx burner complies with SCAQMD Rule 1121 and other Air Quality Management Districts with similar requirements for NOx emissions of less than 10 ng/j.
*Vertex 100 models only

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS
Allows Vertex models to be installed as part of combination space heating/water heating applications or any system requiring a recirculating hot water loop.

CONDENSATE OUTLET
Conveniently located for piping of flue condensate to floor drain or outside of home.

THE NAME VERTEX MEANS "THE HIGHEST POINT," A STANDARD OF EXCELLENCE A. O. SMITH HAS ACHIEVED ONCE AGAIN.

Compare the extraordinary output of Vertex to other conventional models.



The Vertex 100 LCD digital control panel displays easy-to-understand system diagnostics, precise temperature control, and performance history.