

VERTEX® VERSATILE POWER DIRECT VENT

Up to 0.88 Uniform Energy Factor (96% Thermal Efficiency)

Today's homes demand more hot water than ever before, and the high efficiency Vertex® power direct vent gas water heaters offer unprecedented levels of performance to meet the need. The fully condensing Vertex® design is so advanced, it can deliver "continuous hot water for shower after shower" at a constant flow of over 4 gallons per minute.*

AiQ™ ADAPTIVE GAS CONTROL

- Smart Combustion system includes gas valve with servo motor and electronic controller
- Improves combustion and light off
- Adjusts to fuel qualities or abnormalities
- Can run on natural gas or liquid propane, gas type selected via touch screen upon installation

CONDENSING DESIGN

- High efficiency operation with up to 0.88 Uniform Energy Factor (96% thermal efficiency) to save money on operating costs
- Equipped with condensate drain tee

LEAK DETECTION MODULE

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

- Combined vertical and horizontal runs terminating through an outside wall. Canadian installations require ULC S636 approved PVC, CPVC or polypropylene pipe for venting
- 2" pipe, vents up to 65 equivalent feet
- 3" pipe, vents up to 135 equivalent feet

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows Vertex® to be installed as part of combination space heating/water heating applications

TOP FIRED ULTRA-LOW NOX GAS BURNER

- Enhanced Ultra-low NOx burner complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for NOx emissions of less than 14 ng/j

POWERED ANODE

BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

CODE COMPLIANCE

- Meets IBC and ICC National Codes.
- Meets the thermal efficiency and standby loss requirements of the NRCAN and current edition of ASHRAE/IES 90.1.

DESIGN-CERTIFIED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.3 - CSA 4.3 standards governing storage tank-type water heaters

8-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to hotwatercanada.ca

*Continuous hot water based on 4.31 GPM continuous flow with a 65°F inlet water temperature, 110°F outlet temperature, and a unit installed per the manufacturer's instructions.



MODEL SHOWN HDHE-75
SERIES 400



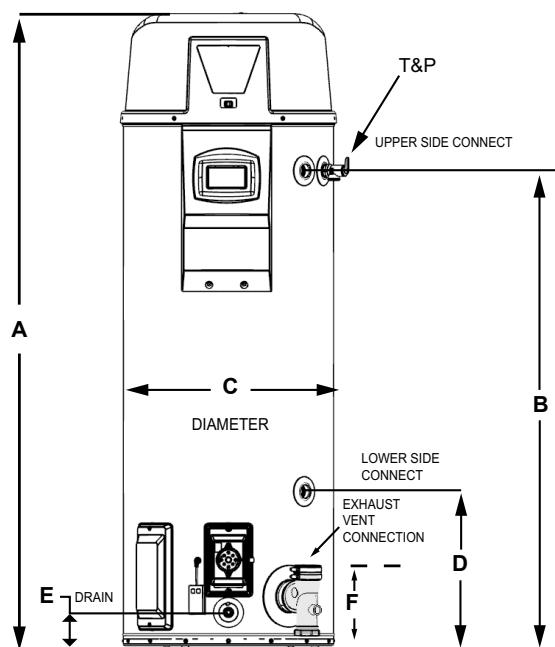


Commercial-Grade Residential Water Heaters

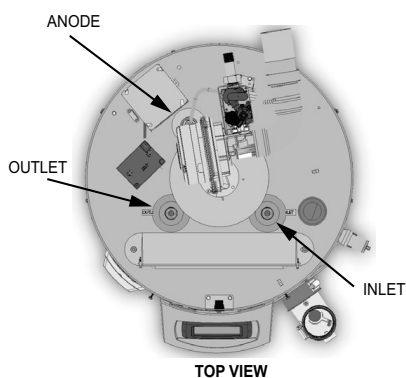
Model Number	Nominal Capacity USG (L)	Rated Storage Volume	First Hour Rating USG (L)	UEF	Thermal Efficiency	Recovery @ 90° Rise GPH (LPH)	BTU Input Per Hour	Vent Size inches	Dimensions in Inches		Approx. Shipping Weight (lb)
									Height to Top of Heater	Diameter	
HDHE-50	50 (189)	49	118 (447)	0.88	96%	129 (488)	100,000	2 or 3	66-3/4	22	256
HDHE-75	75 (284)	74	150 (568)	0.86	96%	129 (488)	100,000	2 or 3	65-1/4	27-3/4	388

Models certified for sea level to 10,100 ft. elevation.

Optional Condensate Neutralizer Kit available (Part Number 100289339).

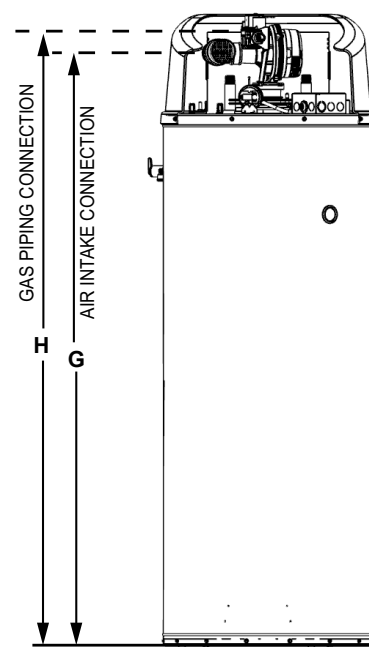


FRONT VIEW



TOP VIEW

*INSTALL IN ACCORDANCE WITH LOCAL CODES



BACK VIEW

ROUGH-IN-DIMENSIONS

Models	Units	A	B	C	D	E	F	G	H
50G	in	66-3/4	49 1/4	22	15 3/4	3	8	62	65
	cm	169.5	125.09	55.88	40.00	7.62	20.32	157.48	165.1
75G	in	65 1/4	45 5/8	27 3/4	16	3 3/4	8	59	60
	cm	165.7	115.9	70.5	40.6	9.4	20.1	145.7	149.8

Top Inlet and Outlet: 50G - 3/4" NPT; 75G - 1" NPT

Side Inlet and Outlet: 3/4" NPT

Gas Inlet: 1/2" NPT

Condensate drain outlet: 1/2" NPT

