

CYCLONE® Xi VERSATILE POWER DIRECT VENT

96% THERMAL EFFICIENT

The Cyclone® Xi is a light-duty, power direct vent, fully condensing commercial gas water heater with an internal helical heat exchanger. This helical heat exchanger helps Cyclone® Xi achieve 96% thermal efficiency and deliver outstanding hot water output.

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 at 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. Vents using PVC, CPVC, or polypropylene pipe. 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 Cyclone® Xi 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 U.S. Department of Energy 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.

3-YEAR LIMITED TANK AND 1 YEAR LIMITED PARTS WARRANTY

- For complete information, consult written warranty or go to hotwater.com



MODEL SHOWN BTXL-100
SERIES 400

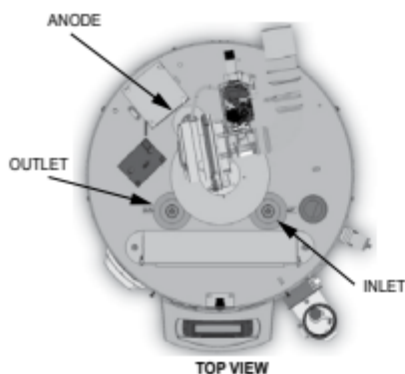
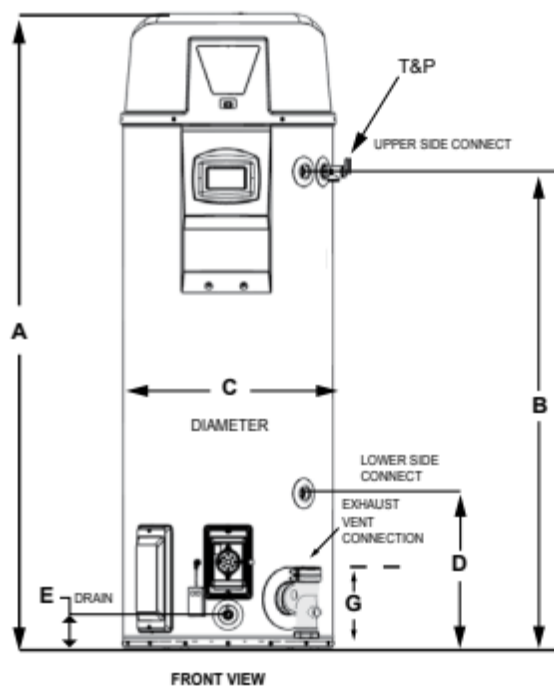
ADAPTIVE GAS CONTROL



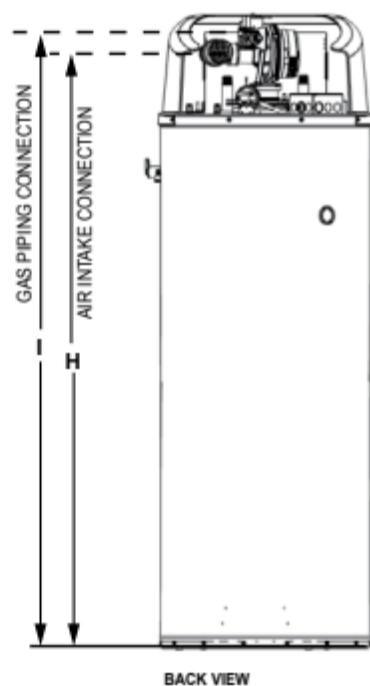
Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	BTU Input Per Hour	Vent Size	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
BTX-100	50	49	118	96%	129	100,000	2 or 3	66-3/4	22	256
BTXL-100	75	74	150	96%	129	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).



*INSTALL IN ACCORDANCE WITH LOCAL CODES



ROUGH-IN-DIMENSIONS

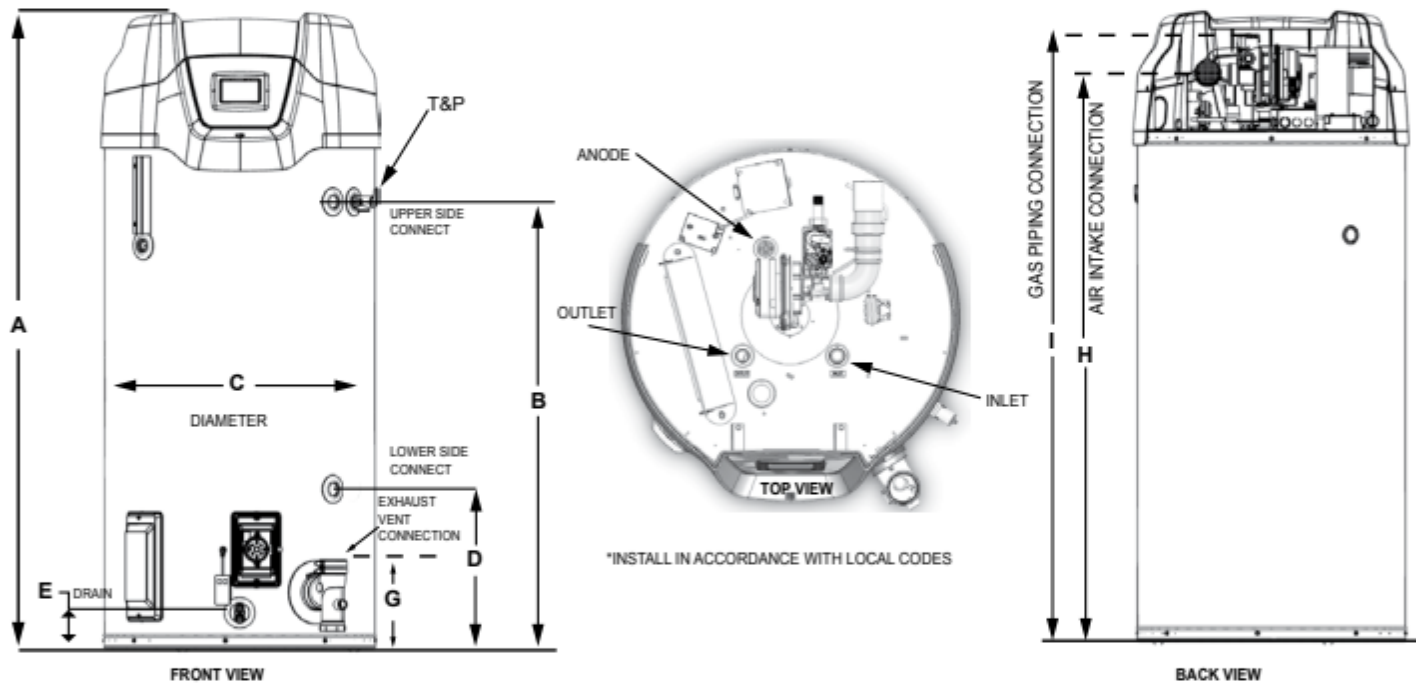
Models	Units	A	B	C	D	E	F	G	H	I
50G	Inches	66-3/4	49 1/4	22	15 3/4	3	8	8	62	65
	CM	169.5	125.09	55.88	40.00	7.62	20.32	20.32	157.48	165.1
75G	Inches	65 1/4	45 5/8	27 3/4	16	3 3/4	8	8	59	60
	CM	165.7	115.9	70.5	40.6	9.4	20.3	20.1	145.7	149.8

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



SPECIFICATION

(Natural or Propane) gas water heater(s) shall be A. O. Smith Cyclone Xi model with 96% thermal efficiency with storage capacity _____; an input rating of 100,000 BTUs per hour, a recovery rating of 129 gallons per hour at 90°F rise and a maximum hydrostatic working pressure of 150 psi. Water heater(s) shall be of power direct vent design, using 2" or 3" PVC, CPVC, or polypropylene pipe for horizontal and/or vertical vent runs. Water heater(s) shall have: 1: Steel tank construction with seamless glass lining and a spiral-shaped heat exchanger placed entirely inside the tank, which shall be glasslined on the flue gas side to protect against acidic condensate. 2: Advanced electronic control with LCD touchscreen display and integral diagnostics. 3: A 3-year limited warranty against tank leaks. Water heater(s) shall meet the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1 and be design-certified by CSA International according to ANSI Z21.10.3-CSA 4.3 standards governing storage tank water heaters.

For Technical Information call 800-527-1953. A.O. Smith Corporation reserves the right to make product changes or improvements without prior notice.