

CYCLONE[®] Xi

96% THERMAL EFFICIENCY VERSATILE POWER DIRECT VENT

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.

HELICAL INTERNAL HEAT EXCHANGER

- Completely surrounded by water in tank, provides much greater heat transfer surface than standard straight flue tube
- Operates at 96% thermal efficiency, which saves money on operating costs, increases hot water output compared to standard efficiency water heaters
- Minimizes standby losses by trapping heat in the tank
- Spiral heat exchanger reduces the accumulation of lime scale, to help maintain higher efficiency performance over time.

VERSATILE POWER DIRECT VENT DESIGN

- Uses inexpensive PVC, CPVC or ABS pipe. Canadian installations require ULC S636 approved PVC or CPVC for venting. Can be vented vertically thru-the-roof or horizontally thru-the-wall
 - 2" pipe, vents up to 45 equivalent feet
 - 3" pipe, vents up to 128 equivalent feet
- Optional concentric vent and sidewall termination kits available

CONDENSING DESIGN

- 96% efficient condensing design
- Equipped with condensate drain tee

HIGH OUTPUT WITH SMALL FOOTPRINT

- 22" diameter, combined with 96% efficiency, 50-gallon tank and 100,000 BTU input means Cyclone Xi can be installed in less space than a larger 75-gallon unit, with equal or better performance
- Total height is 66-3/4" to top of unit

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows Cyclone Xi to be installed as part of combination space heating/water heating applications, or any system requiring a recirculating hot water loop
- Plugs for the recirculating taps are factory installed

ADVANCED ELECTRONIC CONTROL

- Large LCD display
- Precise temperature control
- Advanced diagnostics
- iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.

PERMAGLAS® ULTRA COAT™ GLASS LINING

- A. O. Smith exclusive process provides superior protection against corrosion
- Protects all interior tank surfaces including inside and outside of helical heat exchanger

TWO HEAVY-DUTY ANODE RODS

- Provides advanced protection against corrosion

AVAILABLE IN NATURAL GAS AND PROPANE

TOP-FIRED LOW NO_x GREEN CHOICE® GAS BURNER

- "Eco-Friendly" design reduces NO_x emissions and complies with ultra-low NO_x emissions standards

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

CODES AND STANDARDS

- Design-certified by Underwriters Laboratories (UL) according to ANSI Z21.10.3-CSA 4.3 standards governing storage-type water heaters
- These models meet or exceed the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1

BTX-100



SERIES 124/125



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THREE-YEAR LIMITED TANK WARRANTY

■ For complete warranty details, consult written warranty shipped with heater or contact A. O. Smith

SPECIFICATIONS

MODEL NUMBER	BTU INPUT PER HOUR	GALLONS OR LITRES	TANK SIZE	RECOVERY - GALLONS OR LITRES PER HOUR AT DEGREE RISE			SHIPPING WEIGHT
				40°F	100°F	140°F	
				22°C	56°C	78°C	
BTX-100	100,000	Gallons	50	291	116	83	255 lbs
		Litres	189	1102	439	314	115.7 kg's

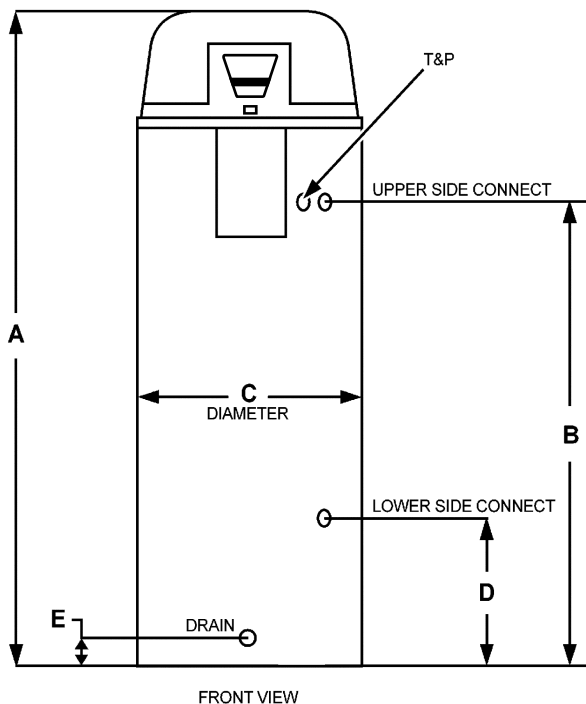
Maximum Supply Pressure: 14 inches W.C. (3.48kPa) ■ Minimum Supply Pressure for Natural Gas: 3.50" (.87kPa) ■ Minimum Supply Pressure for Propane Gas: 8.00" (1.99kPa)
Minimum pressure must be maintained under both load and no load (dynamic and static) conditions. ■ Electrical Characteristics - 120V, 60Hz, Amperes <5

Approved for Canada

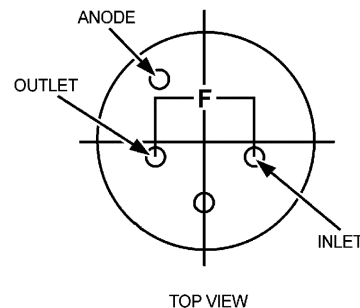
DIMENSIONS

BTX-100	A	B	C	D	E	F
INCHES	66-3/4	49-1/4	22	15-3/4	3	8
CM	169.55	125.09	55.88	40	7.62	20.32

Top inlet and outlet: 3/4" male NPT ■ Side inlet and outlet: 3/4" female NPT ■ Gas inlet: 1/2" NPT ■ Available natural gas and propane

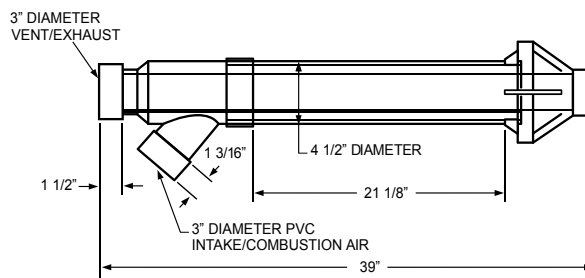


FRONT VIEW



TOP VIEW

INSTALL IN ACCORDANCE WITH LOCAL CODES.



OPTIONAL CONCENTRIC VENT KIT

SUGGESTED SPECIFICATION

(Natural or Propane) gas water heater(s) shall be A. O. Smith Cyclone Xi model # BTX-100, with 96% thermal efficiency, a storage capacity of 50 gallons, an input rating of 100,000 BTUs per hour, a recovery rating of 116 gallons per hour at 100°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 pipe for horizontal and/or vertical vent runs. Water heater(s) shall have: 1: Seamless, glasslined steel tank construction 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 w/ LCD display and actual diagnostic. 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/IESNA 90.1 and be design-certified by UL (Underwriters Laboratories) according to ANSI Z21.10.3-CSA 4.3 standards governing storage tank water heaters.

Water heater should incorporate the iCOMM™ system connection for remote monitoring, leak detection and fault alert.