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 and is ENERGY STAR® Qualified.

**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 RECYCLING 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 NOx GAS BURNER**
- Complies with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for NOx emissions of 14ng/j or 20 ppm

**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
Commercial Gas Water Heater

96% THERMAL EFFICIENCY
VERSATILE POWER DIRECT VENT

THREE-YEAR LIMITED TANK WARRANTY
- For complete warranty details, consult written warranty shipped with heater or contact A. O. Smith

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>BTU INPUT PER HOUR</th>
<th>GALLONS OR LITRES</th>
<th>TANK SIZE</th>
<th>RECOVERY - GALLONS OR LITRES PER HOUR AT DEGREE RISE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTX-100</td>
<td>100,000</td>
<td>Gallons 50</td>
<td>116</td>
<td>83</td>
<td>255 lbs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Litres 189</td>
<td>429</td>
<td>314</td>
<td>115.7 kg's</td>
</tr>
</tbody>
</table>

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 installation up to 10,100 Ft. Consult factory for installation above 10,100 ft

Approved for Canada

DIMENSIONS

<table>
<thead>
<tr>
<th>BTX-100</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCHES</td>
<td>66-3/4</td>
<td>49-1/4</td>
<td>22</td>
<td>15-3/4</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>CM</td>
<td>169.55</td>
<td>125.09</td>
<td>55.88</td>
<td>40</td>
<td>7.62</td>
<td>20.32</td>
</tr>
</tbody>
</table>

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

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 100ºF 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 Z21.16.2-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.

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

www.hotwater.com
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