FEATURES

Environmentally Friendly Energy Savings
• ENERGY STAR®—Qualified with an industry-leading 4.2 COP
• Large-capacity tank enables heat pump to operate more frequently than electric elements, saving money for the end-user

Commercial Performance
• First-hour delivery exceeds 150 GPH
• Heat pump power rating of 3.15 HP
• Electric heating element capacity of 12 kW
• Max water temperature of 150° F in Efficiency and Hybrid modes—and 180° F in Electric mode

Ease of Operation
• Integrated design and pre-charged refrigeration system make for a quick and easy install
• Large touchscreen LCD display allows for mode selection, provides run information, and includes troubleshooting alerts and detail
• Three operating modes (Efficiency, Hybrid and Electric) maximize efficiency while meeting specific hot water demands

Dependable and Long-Lasting Design
• Glass-coated tank developed by A. O. Smith
• Tank rated at 150 PSI working pressure
• Electric elements include incoloy sheathing and provide excellent protection from oxidation and scaling
• Backed by 3-year tank and 1-year parts/compressor limited warranties

SAMPLE ANNUAL ENERGY SAVINGS

<table>
<thead>
<tr>
<th>Example City</th>
<th>Gallons Per Day Used</th>
<th>Annual kWh</th>
<th>Annual Energy Savings Estimate with CHP-120 Heat Pump Compared to Standard Commercial Electric</th>
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<tr>
<td>Boston</td>
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<td>6,206</td>
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Annual energy savings based on 100% of water heated in heat pump (efficiency) mode.
The CHP-120 is an integrated system designed specifically for commercial use. This water heating solution utilizes industry-leading heat pump technology to provide a more efficient way to heat water with electricity. By pulling heat from the surrounding air and transferring it into the tank, the heat pump also produces cooler, dehumidified air as a welcome by-product.

Most importantly, by moving heat rather than generating it the CHP-120 operates at an industry-leading 4.2 coefficient of performance (COP). It also has 120 gallons of storage capacity to maximize performance and energy savings. These two qualities make the CHP-120 a low greenhouse gas emission, sustainable water heating solution and an integral part of any all-electric site design. The CHP-120 may qualify for local utility rebates or credits where available. Visit hotwater.com to search for rebate opportunities in your area.

The CHP-120 is perfect for light commercial applications such as quick-serve restaurants, schools, retail buildings, and any other commercial application that would typically use a traditional 120-gallon commercial electric water heater. For larger applications, multiple CHP-120 water heaters can be combined and used together.

**SAVE ENERGY WITH HEAT PUMP TECHNOLOGY**

The A. O. Smith® High-Efficiency CHP-120

**HOW IT WORKS**

- LCD touchscreen display for easy control of temperature settings and operational information
- High-efficiency evaporator fans discharge cool air to the mechanical room
- Evaporator coil captures the heat from the air and transfers it to the R-134a refrigerant
- Refrigeration system components including electronic expansion valve, coil, accumulator, 4-way valve, and charging ports