

# 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 State Water Heaters
- 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



**COMMERCIAL PERFORMANCE  
WITH MAXIMUM EFFICIENCY**



## SAMPLE ANNUAL ENERGY SAVINGS

Example City	Gallons Per Day Used	Annual kWh	Annual Energy Savings Estimate with CHP-120 Heat Pump Compared to Standard Commercial Electric
Boston	350	6,206	\$3,461
Orlando	350	5,695	\$1,909
Houston	350	5,695	\$1,598
Los Angeles	350	5,841	\$3,197
Milwaukee	350	6,206	\$2,335

Annual energy savings based on 100% of water heated in heat pump (efficiency) mode.



statewaterheaters.com

State Water Heaters reserves the right to make product changes or improvements at any time without notice.

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**INTRODUCING THE  
HIGH-EFFICIENCY CHP-120  
COMMERCIAL HEAT PUMP  
WATER HEATER**

# SAVE ENERGY WITH HEAT PUMP TECHNOLOGY

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 [statewaterheaters.com](http://statewaterheaters.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.

The State®  
High-Efficiency  
CHP-120



# HOW IT WORKS

## Microchannel heat exchanger

transfers heat into the tank

## Dual 6 kW heating elements

provide additional heating capability for periods of high demand

## High-capacity compressor

pumps the hot refrigerant gases through the microchannel heat exchanger that is wrapped around the tank

## 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

