

Compress HP 200-1

Electric Heat Pump Water Heater

**BOSCH**

Invented for life



State-of-the-art heat pump technology.

The 50 gallon capacity Bosch Compress Electric Heat Pump Water Heater is ultra efficient and shares technology similar to an Energy Star® qualified Refrigerator. Rather than taking heat from inside the appliance and moving it outside as a refrigerator does; Bosch heat pump technology takes heat from the surrounding air and uses it to heat the water! Using a specially designed heat pump system, the heat is transferred from the surrounding air to the water stored in a well insulated storage tank, resulting in efficient hot water and zero direct greenhouse gas emissions!



Features

- ▶ Zero emissions - clean electric operation and no venting requirements
- ▶ Easy to read LCD display allows for easy operation and ideal temperature, efficiency and demand settings
- ▶ Simple installation utilizing standard connections required for traditional tank water heaters
- ▶ Warranty: 10-year tank & parts[§]



[§] Copies of original warranties in their entirety are available at www.bosch-climate.us

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Savings

Heating domestic hot water is a home's third largest use of energy. With technology used in a Bosch Electric Heat Pump Water Heater, this can be reduced significantly, saving valuable resources and money.

Compared to a traditional tank water heater, the Bosch Electric Heat Pump Water Heater is twice as effective with savings of \$307 (59% reduction on your water heating costs), making it the smart choice for your water heating needs with an estimated payback of just 4.5 years!

Annual Energy Expenditures for Different Electric Water Heater Technologies			
			Approx. Payback in Years
Heat Pump	\$213		4.5
Conventional Electric Storage	\$520		N/A

Energy cost calculated at \$0.1065 per kWh.
Source: ENERGY STAR® Residential Water Heaters: Final Criteria Analysis, U.S. Department of Energy, April 1, 2008.

Installation

The ideal installation for a Bosch Compress Electric Heat Pump Water Heater is in a warm unconditioned climate such as an attic, basement or garage with at least 7' x 10' x 10' cubic feet of air space. The efficiency of the heat pump is higher in warmer climates, however you can experience savings in all climates. This unit directly replaces a 50 gallon water heater and the energy factor of 2.2 ensures savings.

The Bosch heat pump water heater also cools and dehumidifies unconditioned air as an extra benefit, saving money and energy on air conditioning. Installing in unconditioned spaces with air temperatures between 45°F - 115°F will yield the highest efficiencies for the Bosch heat pump water heater. With use of the ducted air option, the Bosch heat pump water heater uses the energy of the unconditioned air to supply cooler, dehumidified air into the air duct, reducing the overall energy load of your home.

Unit produces condensation that should be routed to a floor drain.

Why Bosch?

For over 125 years, Bosch has remained committed to quality, innovation and value within a broad range of products including automotive parts, power tools, home appliances and water heaters. Bosch is highly recommended by professional installers and is a brand that loyal customers refer to their friends and family.

Technical Specifications	HP 200-1
Part Number	7736500041
Storage Tank Capacity	50 Gal.
1st Hour Delivery	58 Gal.
Height	64.5"
Diameter	22.4"
Net Weight	209.4 lbs.
Storage Tank Material	Enameled Steel
Anode Rod	Magnesium
Air Temperature Range	45°F to 115°F
Air Duct Connections	Exhaust Only
Heating Power	1.8 kW
Electric Consumption	0.7 kW
Electric Backup Heating Element	2 x 4 kW
Voltage (Phase / V / Hz)	1 / 240 / 60
Electric Connections	Fixed Wire
Built-In Interface	LCD
Operation Modes	Economic Mode Electric Mode Auto Mode Vacation Mode
Hot Water Temp. Range	100°F to 140°F
Max. Water Pressure	150 PSI
Water Connections	3/4"
Energy Factor	2.2
Certification	UL1995
Condensate Drain	1/4"
Temp. & Pressure Valve	Included
Warranty [§]	10-Year Limited Tank & Parts