

NEXT GENERATION WATER HEATING

Heat Pump Water Heaters use advanced technology to heat water with about half the electricity of conventional electric resistance model water heaters.

Your cooperative makes it easy to save on your home water heating with an efficient Heat Pump Water Heater.

\$300 TAX CREDIT
for those who qualify

REBATES UP TO \$200
for qualifying members

SAVE UP TO \$300
on annual water heating costs

FINANCING AS LOW AS 0%

ENERGY WISE  MN

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HEAT PUMP WATER HEATERS



SMARTER HOME SOLUTIONS



Heat Pump Water Heaters (HPWHs) are revolutionizing the way people heat water. They use next-generation technology to do the same job while consuming 50% of the amount of electricity used by standard electric resistance models. In fact, they're the first electric water heaters to qualify for the Energy Star® rating. So consider upgrading to a HPWH and enjoy all the hot water you're used to with half the electricity consumption.

HOW IT WORKS

The key to the amazing efficiency of a HPWH is how it warms water without generating its own heat. Instead, it heats water by harnessing the warmth already present in the ambient air inside your home.

HPWHs use electricity for moving heat, not making heat. Essentially, heat drawn from the air transfers to water in the tank. Think of it as operating like a reverse refrigerator.

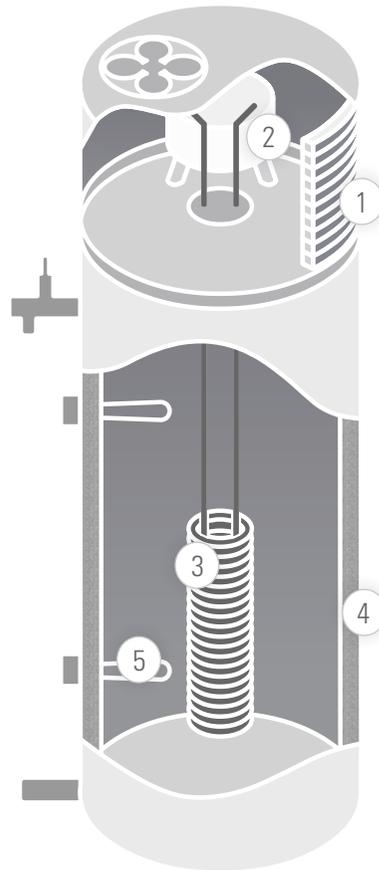
This type of water heater needs at least 10 square feet of space to ensure adequate air exchange. An open basement or utility room work well.

YOU'VE GOT BACKUP

While a HPWH is capable of producing enough hot water for the entire family, an electric resistance element automatically contributes to water heating in case the surrounding air becomes too cold, or when you need extra hot water.



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A CLOSER LOOK AT HOW THE HEAT PUMP WATER HEATER WORKS ITS MAGIC

- 1 Liquid refrigerant is vaporized by the **evaporator**.
- 2 A fan moves heat from the surrounding air, which is absorbed by the vaporized refrigerant before traveling to the **compressor**, which increases its pressure and temperature. This also serves as a dehumidifier.
- 3 Next, the vaporized refrigerant runs through the **condenser coil** inside the storage tank, transferring its collected heat to the water stored there.
- 4 Heat loss is minimized by professional-grade **insulation**.
- 5 **Heating elements** use electricity to contribute to water heating only when necessary, to ensure you always have enough hot water.



IT'S TIME TO ADVANCE

Old water heaters can break down without warning. Planning for their replacement should be a proactive measure. It's smart to avoid a potentially bad situation by upgrading before problems with your current hot water heater begin.

As an added benefit, HPWHs give off cool exhaust air, which can assist in home cooling and dehumidification. Or, you may choose to direct the air outdoors through ductwork.

LIFETIME WARRANTY

Well-built with excellent parts and materials, these water heaters are built to last. In fact, they're guaranteed for as long as you own your home.

NO COMBUSTIBLE ELEMENTS

Enjoy peace of mind with your hot water. HPWHs function without an open flame or combustibles for increased safety.

CALL A PRO

Qualified professionals can provide installation quickly, and your home won't be turned upside down during the process. Contact your electric cooperative to learn more about HPWHs and for information on dealers and installers.