

Speaker 1 ([00:01](#)):

A 3D model showing the inside and outside of a house. The heat pump system has two pipes, a blue pipe, and a red pipe that run from a unit outside the house to a unit inside the house. The title reads How do heat pumps work? A title reads Electric heat pumps are up to four times more efficient. A title reads and can be a single solution replacement for your heating and AC units. Blue arrows with a stripe of red flowing down them point toward the outside unit. A title reads In the winter, the outdoor unit absorbs heat from the outside air.

Speaker 1 ([00:52](#)):

The cold air indicated by blue dots inside the unit heats up indicated by red dots inside the unit that lead into the red pipe that runs into the house. A title reads yes, even when it is cold outside air still contains a certain amount of heat. The warm air from the outside unit travels through the red pipe into the house and the inside unit. A title reads This heat is transferred to the indoor unit. The indoor unit has a red arrow exhausting from it, and two blue arrows pointing toward the unit. A title reads, which then pulls cool air in from your home and warms it.

Speaker 1 ([01:37](#)):

A title reads in the summer to cool your home. The process is reversed. Two red arrows point toward the indoor unit. Warm air travels along the red pipe to the outdoor unit. A title reads the heat pump absorbs heat from the indoor hot air and transfers it to the outdoor unit. Cold air travels from the outside unit through the blue pipe to the indoor unit. A title reads refrigerant is circulated indoors and the hot air flows over the cooling coils. The indoor unit has a big blue arrow exhausting from it, and three small red ones pointing toward it. A title reads absorbing the heat and lowering the air temperature. Three red arrows exhaust from the outdoor unit and a title reads the cooled air is circulated back indoors while the absorbed heat is expelled outside an outdoor heat pump with a title that reads. The key is that heat pumps don't generate heat. They move heat from one place to another, which is why they're so efficient. The page logo with a title that reads, learn More at [pge.com/electrification](http://pge.com/electrification).