




Is a Heat Pump Right for my Home?


Learn more about this energy-efficient alternative for home heating and cooling.

Facts + Figures

What's in a name?

 Heat pumps can provide both heating and cooling for your home.

Go it alone.

 Heat pumps are reliable as the sole heating source in areas that do not routinely get below 15 degrees F for extended periods of time.

15%

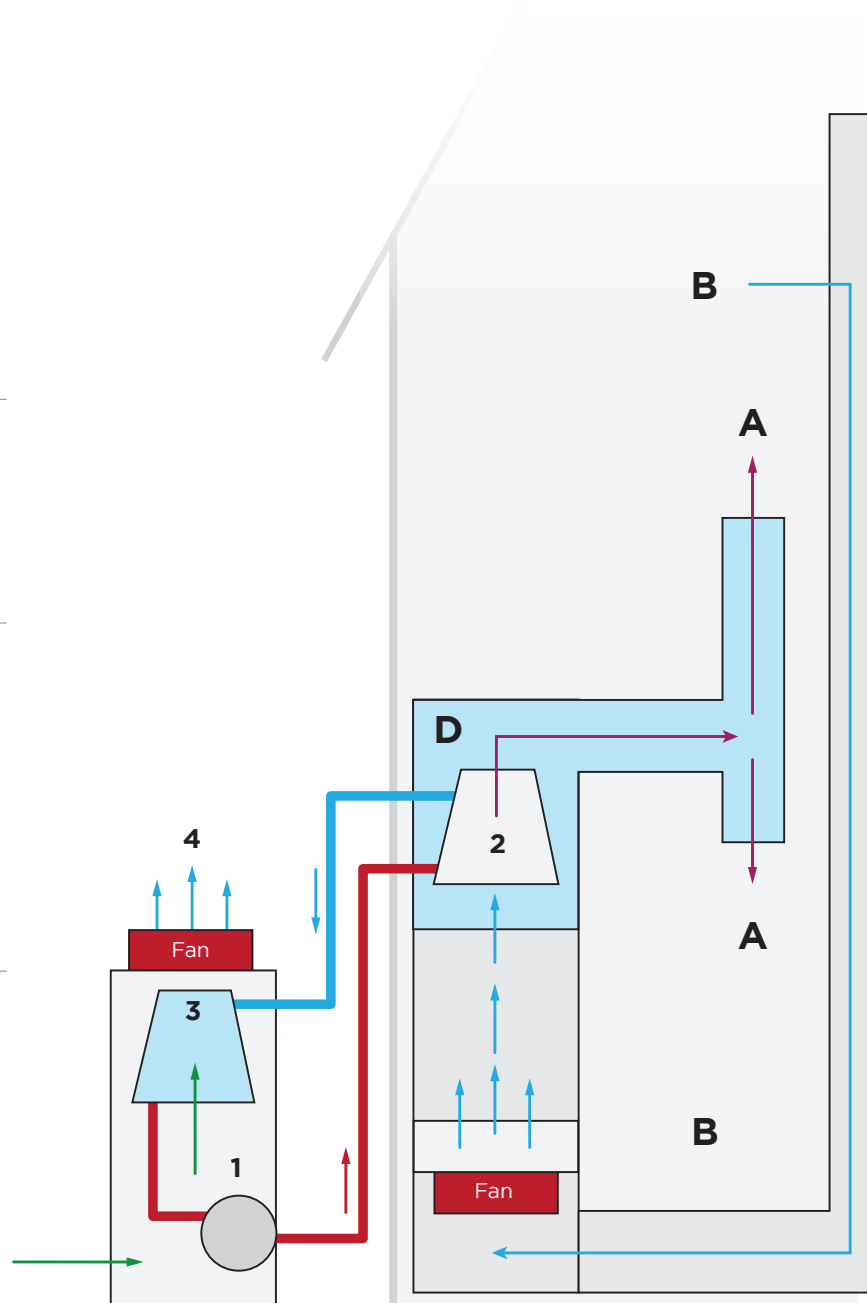
of U.S. households used heat pumps as of 2015

How Home Heating Works

with an air-to-air heat pump

Air Flow Cycle

- A** Let's start with the warm air coming out of the vent
- B** After warming the room, the air returns into the vent
- C** The return air goes through a filter to remove dust/pollen and is moved through the ductwork by a fan
- D** The filtered air passes over the indoor heating coil and the process repeats



Refrigerant Flow Cycle

- 1** The compressor in your outdoor unit pumps refrigerant coming from the outdoor coil after it has been warmed by the outdoor air
- 2** The warm, high pressure refrigerant is then pumped through the indoor coil where heat is transferred to warm up the indoor air as the fan moves the indoor air across it
- 3** The cooled refrigerant then returns to the outdoor unit
- 4** The refrigerant is warmed by outdoor air moving over the coil and the process repeats