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Geothermal Heat Pumps - Windows Internet Explorer

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GEOTHERMAL or GROUND SOURCE HEAT PUMPS

Ductwork

Heat exchanger

Warm liquid from the ground

Fan

Buried, closed loop containing water or antifreeze

Heat pumps move heat from one place to another - from outside to inside a home, for example. That's why they're called "heat pumps."

We explained the way that they work in the section "Central HVAC." Here's a simplified version of how a heat pump works:

All heat pumps have an outdoor unit (called a condenser) and an indoor unit (an evaporator coil).

Inside Your Home

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