

AIR SOURCE HEAT PUMPS

What Is It?

Air source heat pumps work similarly to an air conditioner but can also work in reverse. They provide cooling to your home in the summer and heat in the winter.

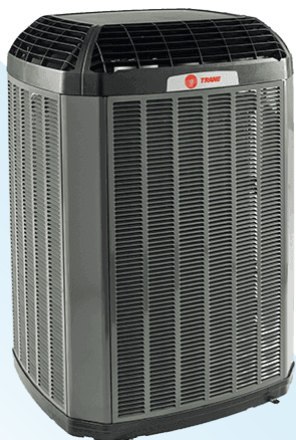
Heat pumps come in various configurations to fit your home. Ducted units can be installed into conventional forced-air ductwork like a furnace or air conditioner. Homes or additions that do not have existing ductwork can still benefit from ductless units also known as mini-splits. These have an indoor unit mounted to the floor, wall, or ceiling and an accompanying outdoor unit.

How Is It Efficient?

Air source heat pumps use refrigerant to transfer heat from one area to another rather than creating heat.

Systems can be up to **3 - 5 times more efficient** than electric resistance heating or fossil fuel heating systems such as furnaces and boilers.

Photo: Mitsubishi
Ductless Indoor Unit



For More Information

[deq.mt.gov/energy/
programs/efficiency](https://deq.mt.gov/energy/programs/efficiency)

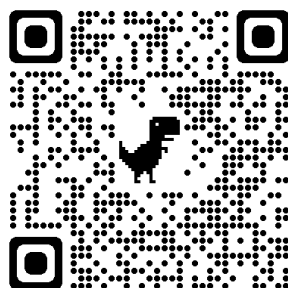


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Ductless Indoor Unit

How Can I Save?

Average Bozeman home could **save around 45% - 55%** on fuel or electricity costs when switching from propane or electric resistance heat.

- Tax credits available up to \$2000
- Point-of-sale rebates will become available up to \$4000 - \$8000 dependent on eligibility (anticipated 2024)

Make sure model meets **efficiency requirements** to qualify for savings

Buying Tips

Proper Sizing: Too large or too small of systems will create issues. Ask your contractor to size your system using a Manual J calculation.

Cold Climate Performance: Ask for cold climate models that are better suited for the Montana climate.

Dual Fuel Options: Consider an air source heat pump when replacing an air conditioner. Use the heat pump for efficient heating and your existing system as backup or for the coldest of days.

As interpreted 3/1/2023