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 Air to water heat pumps, or air source heat pumps work by like a refrigerator only in reverse. The system draws in air from outside of the building an once it arrives into the heat exchanger, the refrigerant absorbs the latent heat from outside and the air evaporates. Air to Water Heat Pumps | Reduce Your Heating Costs Today
 Air source heat pumps (ASHPs) absorb heat from the outside air. This heat can then be used to heat radiators, underfloor heating systems, or warm air convectors and hot water in your home.

Different from a ground source heat pump, an air source heat pump extracts heat from the outside air in the same way that a fridge extracts heat from its inside. [Air Source Heat Pumps | Energy Saving Trust](#) The air to air heat pump performance is dependent on the outside air temperatures. When the ambient temperature levels are down to -10 degrees Celsius and below, the pump's electric power consumption rate increases, in order to ensure the optimal operation of the heat pump. [The Pros and Cons of an Air to Air Heat Pump \(2020 ...Air-to-Water Heat Pumps](#). Hydronic or water-based heat distribution systems can integrate with air-to-water heat pumps, which heat water that's circulated around the building through pipes and emitters. These systems can also chill water for air conditioning and have the potential to heat domestic hot water as well. [Air-to-Water Heat Pumps | Efficiency Vermont](#) [Aquarea air to water heat pump](#). An innovative low energy system, designed to create great comfort at home even at extreme outdoor temperatures. Providing heat to radiators, underfloor heating, fancoils as well as producing domestic hot water. [Aquarea air to water heat pump - Panasonic - heating and ...](#) An air to water heat pump, as well as the other types, have one important advantage in common — they produce renewable energy, as the ground or air are technically heated by the sun. Both air to air and air to water heat pumps use a similar operation model . [Air to Water Heat Pump Systems](#) Not only do Daikin heat pumps offer economical heating of residential and commercial settings, they can also provide a total solution for domestic heating and hot water supply.

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