

Effective Heating and Cooling from Heat Pumps

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When your aged heating and cooling system demands replacing, think about an air-source heat pump. These are one of the most energy-efficient ways to condition your house **says Air Conditioning Repair Ft Myers FL**. A heat pump is capable of producing three times much more heat from one unit of energy, something that other type of fuel-burning heaters or electric heating systems can not.

Heat pumps function by moving heat from one location to another. They deliver it inside in the winter season and remove it in the summer, like a refrigerator does. Each heat pump has a reversing valve that makes it effortless to switch over from one feature to one more. An air-source heat pump functions well in our climate, since temperatures rarely approach cold in the winter months, when this kind has more trouble catching sufficient heat airborne to heat your residence.

A heat pump has 2 major parts: the exterior condenser and the compressor. The outside condenser consists of coils and

a compressor that puts the refrigerant struggling. The compressor delivers the refrigerant into the air handler, where an evaporator coil and blower fan are situated. As the fan blows over the evaporator coil, it exchanges the heat or takes it outdoors. In the summer season, the heat is taken out from the refrigerant by taking outdoors air over the copper coils inside the condenser.

The pattern continues up until the thermostat indoors transforms the system off. An upgrade to an air-source system called a desuperheater could even take that squandered heat and utilize it to heat water when the system joins the cooling down mode.

The [US Department of Energy](#) states that “Although air-source heat pumps can be used in nearly all parts of the United States, they do not generally perform well during extended periods of sub-freezing temperatures. In regions with sub-freezing winter temperatures, it may not be cost-effective to meet all your heating needs with a standard air-source heat pump.”

An additional alternative to check out for an air-source system in our region is to have a variable-speed electric motor in the air trainer. This kind operates much more slowly, which assists it eliminate much more humidity, making you feel a lot more comfortable. These motors are silent and usage much less electrical power.

If you would certainly like to learn more concerning an air-source heat pump, contact *Air Conditioning Repair Ft Myers FL*.

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