

Air Source Heat Pumps

Efficient heating and cooling you can trust.

Heating and cooling might be complete opposites, but having an air source heat pump can provide you with both. By using the dependable, efficient electric power many people have come to trust, you can choose an air source heat pump with confidence. Unlike natural gas and propane prices, electric rates have remained relatively stable over the years.

Cool Comfort, Toasty Warmth

During the summer months, air source heat pumps operate a lot like air conditioners. They reject the heat outside by using a refrigerant to transfer heat from inside your home to a compressor outside where there are a set of coils that remove heat from the refrigerant and return it to the house to cool the air. During the winter months, the air source heat pump finds heat in the outdoor air and pumps it into your home. The advantage is that it takes less electrical energy to pump heat than it does to convert electrical energy into heat. In a nut shell, an air source heat pump reverses the air conditioning process by using the same refrigerant to bring heat indoors. In very cold weather additional heat is provided by resistance coils.

Safe, Clean and Efficient Air

Heat pumps do not produce any harmful gases such as carbon monoxide; therefore, they do not need to be vented. Your heat pump will provide you with safe, clean, and efficient air. In addition to that, a properly sized and installed heat pump can reduce heating costs by up to fifty percent compared to electric furnaces. In fact, you can get three times as much heat out of each watt of electricity than you can get from an electric furnace.

Advanced Technology

Today's high efficiency air source heat pumps can provide families with consistent comfort in their homes. Over the years, many improvements have been made to the coil and motor design with variable speed blowers and sophisticated thermostatic expansion valves. Not only can air source heat pumps provide you heating and cooling, they may also provide functions of air-cooling, air-circulation, air-cleaning, dehumidifying, or humidifying.

Providing our members with the knowledge, training and resources to make wise energy decisions!



United Electric
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