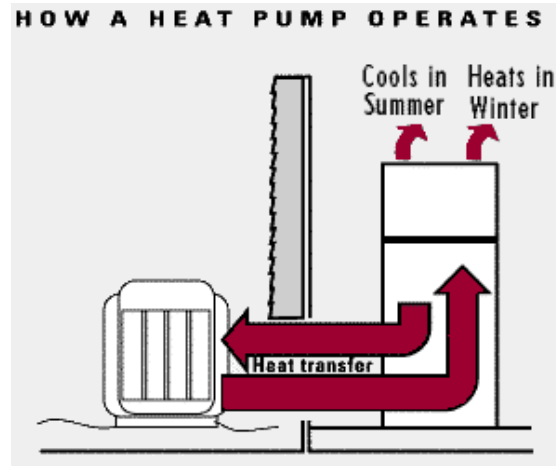


Air Source Heat Pumps

How They Work

Heat pumps operate very simply. Even in the winter there is heat energy in the air. Heat pumps take heat from the air, warm it up a little and discharge it at a higher temperature. This heat transfer allows a heat pump to supply more heat than the equivalent energy it uses. In simple terms, that means they're extremely efficient, which translates into lower operating costs.

In the summer, the process is reversed. Heat pumps give reliable, efficient air conditioning and dehumidifying. Air source heat pumps install just like a central air conditioning system. A electric warm flow plenum heater helps maintain the discharge air temperature, guarantying you will always remain comfortable in your home no matter how cold it is outside.



Clean Savings

Because air source heat pumps operate at efficiencies around 200%, they are less costly to operate than a gas, propane or fuel oil furnace which typically operating in the 60-80% efficiency range. Studies also show that the efficiency of heating with heat pumps is more environmentally friendly than gal, oil or propane heating because of lowered emissions at the source. Emissions at our power plants are strictly controlled. Both the environment and your budget will come out ahead. Air source heat pump systems also qualify for a special electric heating rate from Verendrye.

Rebates and Financing

Rebates based on system size and low interest financing are available from Verendrye for the purchase and installation of an air-source heat pump system. Call our member service department at 1-800-472-2141.