

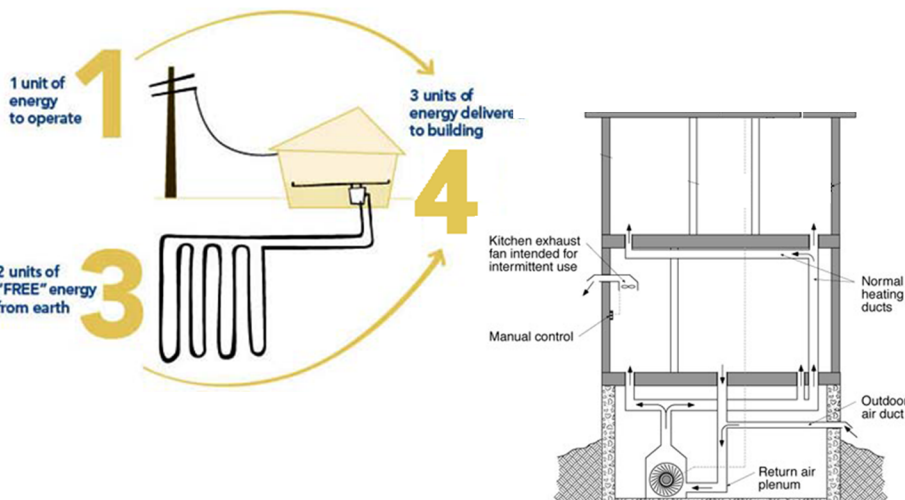
Electric cooling and gas fired heating.

Gas fire indoor furnace unit with a split system electric cooling system. This option provides forced air heating and cooling, with ductwork installed throughout the house for both supply air flow and return air flow. This system is very common, proven to work, and familiar with contractors.



Electric cooling and electric heating.

This is an example of a ductless multi-split system, which has multiple indoor units connected to a single outdoor heat pump that provides both cooling and heating. This system provides room to room temperature control, because each indoor unit is connected to a thermostat. The outdoor heat pump runs at variable speeds, which leads to much higher ratings such as 3 COP. This system has no ductwork or grilles installed within the house. Each large room is provided with an indoor unit, and remaining rooms provided with heat and exhaust only. This system requires back-up heating.



Electric cooling and electric heating.

This is an example of a ground coupled heat pump system. It is more efficient than most heating and cooling systems, but has a much higher installed cost because of the outdoor well drilling costs. This system provides forced air heating and cooling throughout the home through ductwork and grilles. This heat pump system does not require any back-up heat because of the constant temperature of the Earth.