



Is Ductless Heating and Cooling Right for You?

With the baby boomer population nearing retirement age, many will consider remodeling their home to allow elderly parents or their children to move back in. Ductless mini-splits are a great alternative to installing a complete separate heating and cooling system for an addition or renovated area.

Mini-split air-conditioning systems have many potential applications in residential homes. The most common applications are in multi-family homes where room additions or small apartments are being constructed. These systems are ideal where extending or installing air distribution ductwork is not feasible, such as basement man caves or mother-in-law suite additions. Like traditional central systems, mini splits have two main components: an outdoor condenser (containing the compressor) and an indoor air-handling unit. Power, refrigerant tubing, suction tubing and a condensate drain, link the outdoor section and the indoor section of the unit.



Another area where mini-split systems are being used regularly is in off-grid housing and cabins. Because of the mini-splits energy efficiencies and low start-up current, the typical off-grid inverters can power the mini-split to both heat and cool the occupied spaces year round.

Why go with Ductless Mini-splits?

- They are small in size and flexibility for heating and cooling individual rooms.
- Units can be zoned. Some models can have as many as four indoor air handling units, connected to one outdoor unit. Each zone has its own thermostat, so you only need to condition that space when it is occupied, saving energy and money.



- In some applications, mini-split systems are much easier to install than a traditional central HVAC system. The hook up between the outdoor and indoor units only require about a three inch hole through a wall for the conduit. This makes this an ideal unit for conditioning a basement space.
- Since mini-split systems have no duct work, they avoid the energy loss associated with forced air systems.
- Compared with other "add-on" systems, mini splits offer more flexibility in interior design options. Indoor air handlers can be suspended from a ceiling, mounted flush into a drop ceiling, or hung on a wall.
- Mini-split systems offer higher security. These systems only require a small hole in the wall, where window mounted room units is an easy entrance for intruders.
- The Senville units include a "Follow Me" feature on all ductless indoor units. This allows you to cool those hard to reach areas simply by placing the wireless remote near that location.