

WHAT IS A MINI-SPLIT HEAT PUMP?



Mini-split systems have two main components -- an outdoor compressor/condenser and an indoor air-handling unit(s) (evaporator).



They are easy to install, usually requiring only a three-inch hole through a wall for a conduit that houses the power and communication cables, copper tubing, and a condensation drain line. These all link the indoor and outdoor components.

Mini-split heat pumps make good supplemental heat for houses that heat with wood and propane.

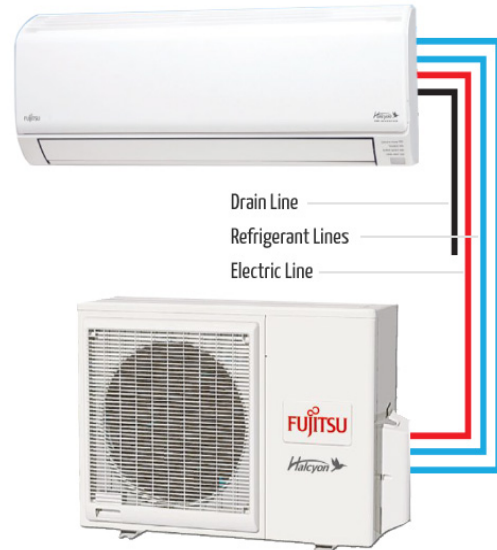
Advantages

The main advantages of mini splits are their small size and flexibility for zoning or heating and cooling individual rooms. Many models can have as many as four indoor air-handling units (for four zones or rooms) connected to one outdoor unit. Each of the zones has its own thermostat, so you only need to condition occupied spaces. This will save energy and money.

Mini splits have no ducts. Duct losses can account for more than 30% of energy consumption, especially if the ducts are in an unconditioned space such as an attic.

In comparison to other add-on systems, mini splits offer more interior design flexibility. The indoor air handlers can be suspended from a ceiling, mounted flush into a drop ceiling, or hung on a wall. Floor-standing models are also available. Most indoor units are about seven inches deep. Many also offer a remote control to make it easier to turn the system on and off when it's positioned high on a wall or suspended from a ceiling.

Indoor Unit (Evaporator)



Outdoor Unit (Condenser)

If you are a UMERG, WPS or WE Energy customer and are income-qualified, we can install a cold-climate mini-split at no cost to you.

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