

## Air Conditioner + Air Handler Matched Systems



An air conditioner paired with an air handler is a good choice for warmer regions, including the South, the Southwest and parts of California.

What does an air conditioner do?

Connected to the inside cooling coil, the compressor pumps refrigerant back and forth, extracting heat and moisture from the indoors. It transfers the heat to the outdoors. Warm indoor air is blown over the indoor cooling coil, then is cooled and distributed throughout your home.

What does an air handler do?

Matched in capacity and efficiency rating with the air conditioner, air handlers circulate conditioned air throughout your home. An air handler contains an inside coil and a blower fan, with the additional possibility of an auxiliary electric strip heater. Trane air handlers are available with single- or variable-speed motors. Variable-speed models are known for soft starts, high humidity control features and 12 selectable levels of airflow capacity, as well as the enhanced comfort mode, the Comfort-R™ airflow system.

Add an air cleaner and thermostat to your system

An air cleaner is integral part of a home comfort system. An air cleaner filters dust and pollutants out of the air you breathe, and keeps your rugs and home furnishings cleaner as well. Reduced pollen, dust, pet dander, smoke, etc., could help reduce allergy and asthma discomfort. A Trane CleanEffects™ air filtration system is up to 99.98% effective.

The thermostat controls your home comfort system. Trane's digital, programmable thermostats give you precise temperature control and allow you to program your heating and cooling requirements depending upon your daily activities and schedule.

Source: <https://www.trane.com/residential/en/resources/hvac-basics/how-does-an-air-conditioner-and-air-handler-matched-system-work.html>