

Air-conditioning system

Air conditioning is the use of mechanical systems to achieve that control in such places as homes, offices, institutions, factories, airplanes, and cars. To provide cooling throughout the home, air conditioners transfer heat from a home's interior to the outside. There are many kinds of air conditioners, but their functions are essentially the same. All air conditioners cool and clean the air while they ventilate the space. There are several ways to classify air conditioners. Many homes and buildings have *central air conditioners*. These have their controls in one area, **machinery** in another, and the **ductwork** system. A *split air conditioner* is a suitable alternative to centralized air conditioner systems.



This system can adequately cool a standard-sized house without requiring extensive installation costs and efforts. Despite their differences, however, they work very much the same way as your food refrigerator. When choosing a central air-conditioning system, important factors such as size, efficiency, maintenance and a programmable thermostat must be considered.

ductwork: *condotta per l'aria*
 machinery: *apparato, macchinario*

1 Decide if the following statements are true (T) or false (F).

1. Indoor air quality can be controlled by means of mechanical systems.
2. Air conditioners transfer heat from outside to the home's interior.
3. Different kinds of air conditioners have different functions.
4. The main function of an air conditioner is cooling, cleaning the air and ventilating the space.
5. Central air conditioners do not need ductworks.
6. Split air conditioners are less expensive than central air conditioners.
7. An air conditioning system works as a refrigerator.
8. There are no important factors to consider when choosing an air conditioner.

T	F
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2 Match each of the following titles, given in jumbled order, with the descriptions beside the drawing, which shows each part of an air-conditioning system.

Fan • Evaporator • Thermostat • Condenser • Filter • Compressor • Blower

