

## Buying an Air Conditioner for Dummies

*an Informative 3 part series on how to buy an air conditioner, in the unfortunate event that yours dies suddenly.*

**June 17, 2010** - [PRLog](#) -- **\*\*Warning**; this is a boring document. However, if you can drudge thorough it, you will develop a better understanding of your home air conditioning & heating system. The purpose is to give you the knowledge (power) to select an Air Conditioning Contractor and equipment that will fit your family's indoor comfort, budget and your home energy consumption.

Let's start with a little background about this unappreciated appliance called central air conditioning. Yes, I said unappreciated because most likely your furnace is in some dark closet, damp basement or dirty attic and the A/C unit is outside hidden behind shrub or bush. The only part of the system you are familiar with is the thermostat. The human need to control indoor comfort began way back during the Roman Empire but for us it was with Willis Carrier's revolutionary new invention in the year of 1914; a system that would control temperature, humidity, air circulation, ventilation and cleanse the air. Now in the 21 Century this appliance provides indoor comfort for millions of American families.

First, you should know what you are buying is a central heating, ventilating and air conditioning (HVAC, AC, air conditioning, heat pump, electric heating, furnace,) system that consist of six components:

- (1) Outdoor air cooled condenser or heat pump.
- (2) Indoor evaporator coil, this device works in conjunction with the outdoor unit.
- (3) Freon piping system connecting the outdoor condenser to the indoor evaporator.
- (4) Indoor air handler (electric heat) or furnace (gas heat). They are the heating module and contain the blower providing the airflow for both heating and cooling.
- (5) Air distribution system which consists of the ductwork, grilles and register.
- (6) Air filtering or clean air component, i.e. whole house air purification system.

Phew, done with the first part. Next we will be showing you how your HVAC system is most likely the largest energy consuming appliance in your home, and how you **NEED** to take a bit more time into making the right purchase.

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