

HVAC



MAKING YOURS WORK ITS BEST FOR YOU!

The primary goal of an HVAC (heating, ventilation, and air conditioning) system is to balance indoor environmental comfort with other factors such as installation cost, ease of maintenance, and energy efficiency. HVAC also controls the relative humidity in the home with the proper settings.

How Heating and Cooling Systems Work

All climate-control devices or systems have three basic components: a source of warmed or cooled air, a means of distributing the air, and a control used to regulate the system (e.g., thermostat).

Most home heating systems use electricity or gas. The heat pump, an electrically powered climate control unit, heats and cools air. In summer it extracts heat from the air inside your home. In winter it pulls heat from the air outside and uses this heat to warm the air inside.

When an air conditioner is turned on either, electrical power is used to cool a refrigerant in a coil to its liquid state, or water is used in geothermal systems. Warm air in your home is cooled by contact with the cooling coil, and this cooled air is channeled to the rooms of your home through ducts and out registers or, in the case of room air conditioners, directly from the unit itself.

Why It Is Important to Set Your Thermostat Properly

Moisture is the largest limiting factor in controlling mold growth in the home. While mold is present in every environment and the air we breathe, it is important to understand how to effectively set your thermostat.

Air Conditioner Fan Mode of Operation

Keep the air conditioner fan switch set to “Auto” mode instead of the “On” mode. When set to the “On” position the blower fan runs continuously and the moisture, which has condensed on the evaporator coil during the cooling cycle, is re-evaporated and blown back into the home before it can drain off the coil and out of the home.

Recommended Thermostat Settings (Normal Operation)

Most experts agree depending upon the unit size, load, relative humidity outside, and area, the thermostat settings should be in between 74 and 78 degrees Fahrenheit in the summer months.

During the winter months most experts agree that a setting between 65 and 70 degrees Fahrenheit will maintain a comfortable and healthy home.

Planning to be Away From Your Home for an Extended Period of Time?

If you will be away from your home for an extended period of time it is important to set your HVAC fan to “Auto” and at a temperature between 74 and 78 degrees Fahrenheit in the summer months, and between 65 and 70 degrees Fahrenheit during the winter months. Doing so will control the climate and help you avoid large utility bills.

For HVAC questions or maintenance requests, please contact AMCC Maintenance.

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Maintenance

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Property Management



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