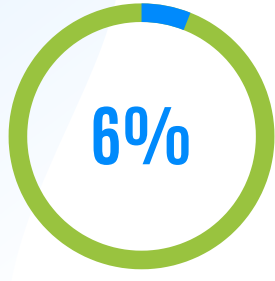


UNDERSTANDING YOUR AIR CONDITIONING

AND HOW TO COOL EFFICIENTLY

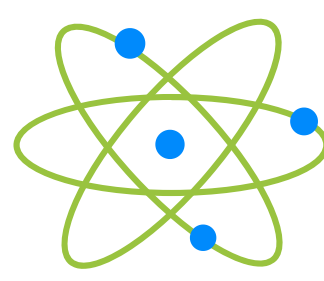
DID YOU KNOW?



of an average household's energy is used for cooling



2/3 of all U.S. homes have air conditioners



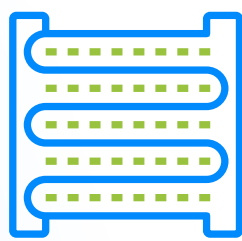
117 million metric tons of CO2 are released yearly due to ACs



IT COSTS HOUSEHOLDS \$11B TO COOL THEIR HOMES EVERY YEAR

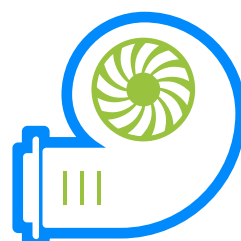
HOW DOES AN AIR CONDITIONER WORK?

Air conditioners take heat from inside your home and put it outside where it's warm.



Evaporator

Using refrigerant, cooling coils take heat and humidity out of the air



Blower

A blower circulates air over the evaporator, distributing the cool air



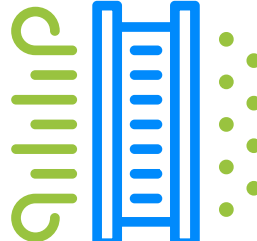
Condenser

Hot coils release the heat that was collected into the outside warm air



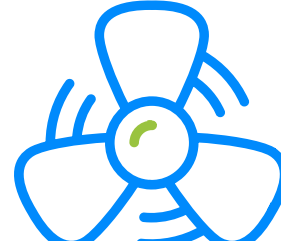
Compressor

A pump moves refrigerant between the evaporator & condenser to cool the air



Blower

A filter removes particles from the air to improve air quality and AC performance



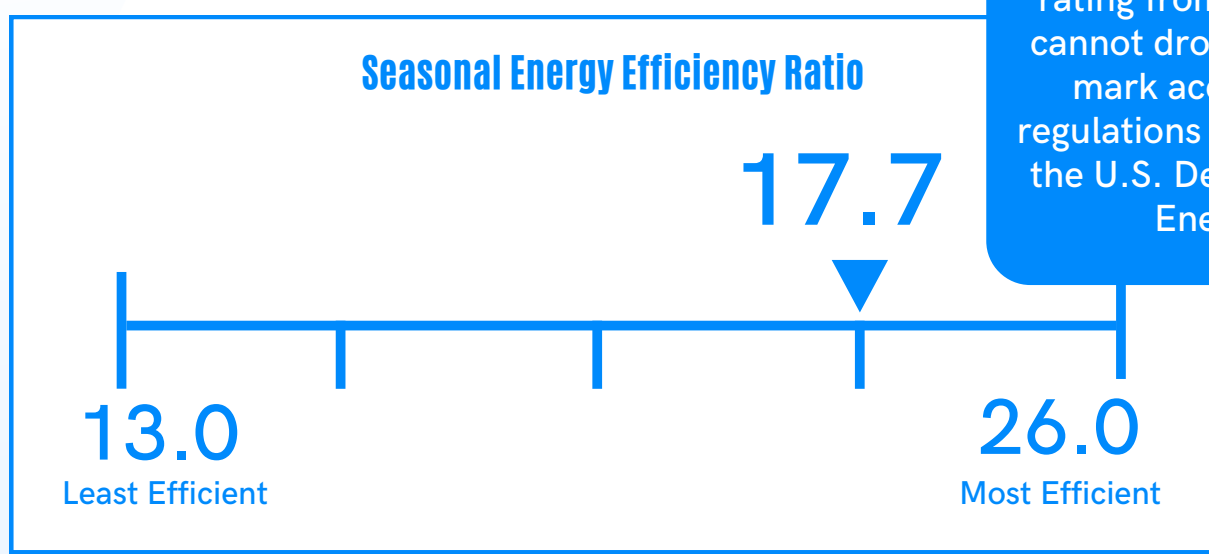
Fan

A fan blows air over the condenser in order to distribute the heat outside

WHAT IS SEER?

A SEER rating is an evaluation of your cooling system's average performance over a full year period. The higher your Seasonal Energy Efficiency Ratio, the better it is for your wallet and the planet.

Air conditioners on the market today are manufactured with a SEER rating from 13-26 and cannot drop below that mark according to regulations in place from the U.S. Department of Energy.

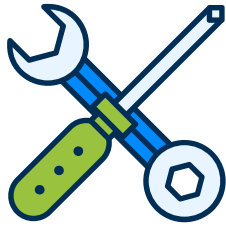


ENERGY SAVING COOLING TIPS



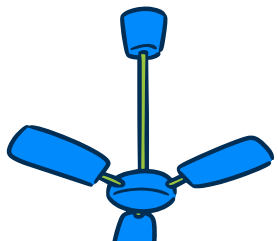
Switch to a high efficiency air conditioner

Regularly clean and replace AC air filter



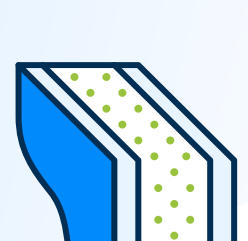
Get annual maintenance & seasonal tune-ups

Install a programmable or smart thermostat



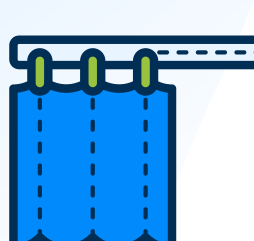
Use a ceiling fan while you're in the room

Upgrade insulation for all-season savings



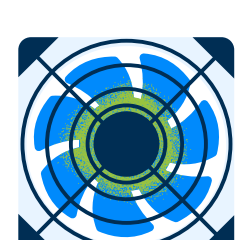
Air seal your home to control air leakage

Avoid using an oven which can heat your home



Use curtains to block the sun during the day

Use your bathroom fan to remove humidity

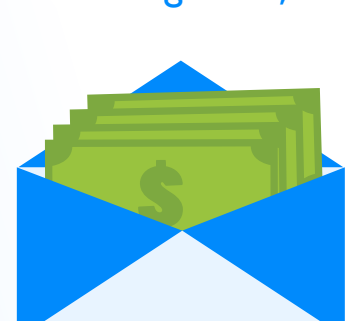


WHAT IS A COOLING CONSULTATION?



HomeWorks Energy offers a free Cooling Consultation to Massachusetts residents who want to understand the energy efficiency of their current cooling system and learn about upgrades and maintenance recommendations that will save money and energy.

A Home Energy Specialist will also show you how to access big cooling system rebates and 0% financing on upgrades. The consultation is no cost and no obligation; it's just a way for us to keep our neighbors informed!



0% Financing



RESOURCES

<https://www.energy.gov/articles/energy-saver-101-infographic-home-cooling>

<https://www.energy.gov/energysaver/home-cooling-systems/air-conditioning>