



WHY ENERGY STAR® QUALIFIED ROOM AIR CONDITIONERS?



COMFORT AT A PRICE

Think all cool air is the same? Think again. An ENERGY STAR qualified room air conditioner utilizes energy-efficient motors to remove heat from your home, providing optimal comfort while using less electricity than a traditional model. When you use less electricity, you reduce your energy costs and prevent air pollution associated with generating electricity for your home.

SIZE MATTERS

Thinking that a larger air conditioner means more cooling power, consumers often buy a unit that is too large for the space they wish to cool. Units that are bigger than necessary will cool a room quickly, but some of the humidity will remain, leaving the room feeling cold and clammy. A unit that is too large also wastes energy, raising your utility bill. A properly fitted unit may take longer to cool the space, but it will use less energy and make you more comfortable than a unit that is too large.

To calculate how large a unit to buy, you need to know the size of the room to be cooled. For example, if the room measures 525 square feet, look for an ENERGY STAR qualified room air conditioner with a capacity of 12,000 Btu/hr.

AREA TO COOL (sq. ft.)	CAPACITY (Btu/HR)
100 – 150	5,000
150 – 250	6,000
250 – 300	7,000
300 – 350	8,000
350 – 400	9,000
400 – 450	10,000
450 – 550	12,000
550 – 700	14,000
700 – 1000	18,000
1000 – 1200	21,000
1200 – 1400	23,000
1400 – 1500	24,000

SPECIAL CONSIDERATIONS

- > If the room is heavily shaded, reduce capacity by 10 percent.
- > If the room is very sunny, increase capacity by 10 percent.
- > If more than two people regularly occupy the room, add 600 Btu/Hr for each additional person.
- > If the unit will be used in a kitchen, increase capacity by 4,000 Btu/Hr.

CHOOSE THE RIGHT MODEL FOR THE WINDOW.

- > Window models can be installed in most double-hung windows.
- > Casement window models used in narrow, vertical windows usually require removal of a window panel for installation.
- > Built-in models are encased in a sleeve installed in the wall.

NOTE THE VOLTAGE.

The standard household receptacle has a connection for a 115-volt branch unit circuit. Large room units rated at 115 volts may require a dedicated circuit. Room units rated at 230 volts may require a special circuit.

Select the unit with the highest energy efficiency rating (EER) for greater savings.

FOR MORE INFORMATION:

visit www.energystar.gov or call 1-888-STAR-YES (1-888-782-7937)