



What size air conditioner do I need?

A larger air conditioner will not always provide more cooling. It should be sized for the room area. If properly sized it should operate long enough to remove moisture from the air. It is the moisture removed from the room which actually produces the feeling of cooling. Unfortunately many people in their rush to purchase an air conditioner buy too large a model.

Too large a unit can actually provide less cooling than a smaller, properly sized unit. This is because with an oversized air conditioner its run time is too short. Consequently it does not remove enough moisture from the room to produce a feeling of comfort. If your A/C seems to cycle off and then back on every few minutes and does a poor job of cooling, it is probably oversized for the room.

Air conditioners are rated in BTU's. British Thermal Units are a measurement of how much heat is being transferred from the room being cooled to where the heat is dumped out of doors.

How do I determine what size A/C I need?

Following is a basic sizing chart for calculating the air conditioner needed for a room. Calculate the size of the room by multiplying the width of the room by the length of

the room. Use your room size to determine what BTU's are required to cool that particular room size.

ROOM IN M2	A/C SIZE IN BTU'S	Horsepower
12-16 m2	12000 BTU	1.5 HP
16-22 m2	18000 BTU	2.25 HP
22-30 m2	24000 BTU	3 HP
30-40 m2	32000 BTU	4 HP
40-50 m2	40000 BTU	5 HP

Which is the best room for placement of an air conditioner?

Wherever it gives the most comfort is where it should be installed. Some people do not like a cool sleeping environment so they will tend to place it in a living room or family room. But whichever room you eventually pick don't expect the impossible from your A/C. It is not meant to cool more than one room or one open area.

Why won't air conditioners cool other rooms?

This is because the blower in an air conditioner is not very powerful. It is sized to cool one open area, not a number of interconnected rooms. Therefore once again a couple of smaller units may be better for your home than one large unit.