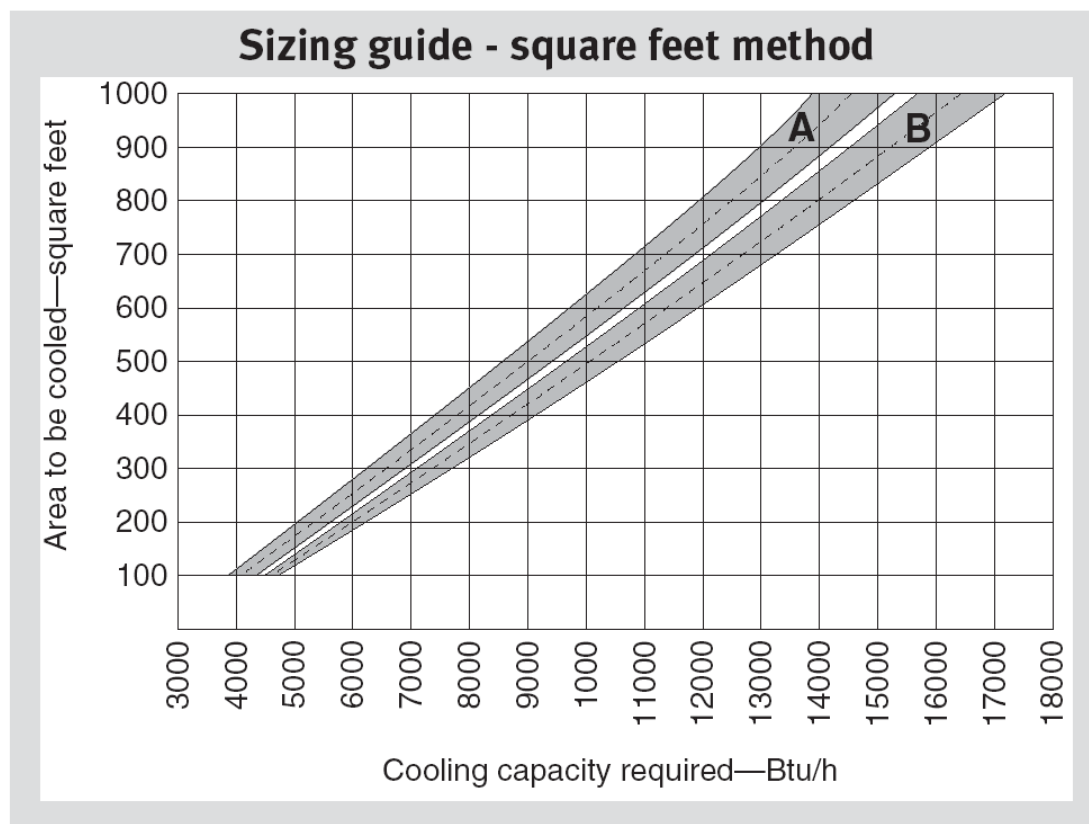




Air Conditioner Selection Guide



To calculate the approximate cooling required for a particular sized room the following rules can be applied :-

Method 1

Calculate the area of the room by multiplying length by width in feet to give square feet, then determine the type of ceiling in the space to be cooled.

If the ceiling is un-insulated and has an occupied floor space above it choose band A on the chart above, if the ceiling is insulated & directly under a roof choose band B.

Method 2

Calculate the volume of the room in cubic feet, then multiply by 4, or calculate the room volume in cubic metres and multiply by 141.

This gives the approximate quantity of BTU's/hr required.

If there are heat sources within the room, including lighting, then add

around 3,400 BTU's/hr per kW of heat output generated.

The above is only a guide, but in the absence of an qualified HVAC Engineer to carry out the necessary evaluation & calculation, however the results should be near enough for the majority of 'normal' applications.

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