

Room Air Conditioner Sizing Guide

<u>Sq Ft</u>	<u>Approx BTU's needed</u>
100	3500-4500
200	5000-5500
300	6500-7000
400	7500-8000
500	8500-9500
600	9500-10.5k
700	11k-12k
800	12k-13k
900	13k-14k
1000	14k-15k
1500	19k-21k
1800	22k-24k
2000	23k-25.5k

(These figures assume an occupied space above the ceiling; add about $\frac{1}{2}$ size if the ceiling is insulated under an attic, and add a full size if the ceiling is non-insulated. Also, add at least one size if the cooled area includes a kitchen)

Sizing Chart Cooling

Base BTUs ---Recommended Air Conditioner BTUs			
Number of Rooms Cooled	Room Area MINimum Square Feet	Room Area MAXimum Square Feet	BTUs Needed
One	.	100	4,000 - 6,000
One	100	180	6,000 - 7,500
One	180	270	7,500 - 9,000
One	270	400	9,000 - 10,500
Several	.	400	10,500 - 12,000
Several	400	500	12,000 - 13,500
Several	500	700	13,500 - 15,000
Several	700	800	15,000 - 16,500
Large Areas	.	900	16,500 - 18,000
Large Areas	900	1000	18,000 - 19,500
Large Areas	1,000	1,100	19,500 - 21,000
Large Areas	1,000	1,100	19,500 - 21,000
Large Areas	1,100	1,200	22,000 - 22,500
Large Areas	1,200	1,500	22,500 - 24,000
Large Areas	1,500	1,700	24,000 - 25,500
Large Areas	1,700	1,900	25,500 - 27,000
Large Areas	1,900	2,200	27,000 - 28,500

Sizing Chart Cooling

Base BTUs ---Recommended Air Conditioner BTUs			
Number of Rooms Cooled	Room Area MINimum Square Feet	Room Area MAXimum Square Feet	BTUs Needed
One	.	100	4,000 - 6,000
One	100	180	6,000 - 7,500
One	180	270	7,500 - 9,000
One	270	400	9,000 - 10,500
Several	.	400	10,500 - 12,000
Several	400	500	12,000 - 13,500
Several	500	700	13,500 - 15,000
Several	700	800	15,000 - 16,500
Large Areas	.	900	16,500 - 18,000
Large Areas	900	1000	18,000 - 19,500
Large Areas	1,000	1,100	19,500 - 21,000
Large Areas	1,000	1,100	19,500 - 21,000
Large Areas	1,100	1,200	22,000 - 22,500
Large Areas	1,200	1,500	22,500 - 24,000
Large Areas	1,500	1,700	24,000 - 25,500
Large Areas	1,700	1,900	25,500 - 27,000
Large Areas	1,900	2,200	27,000 - 28,500