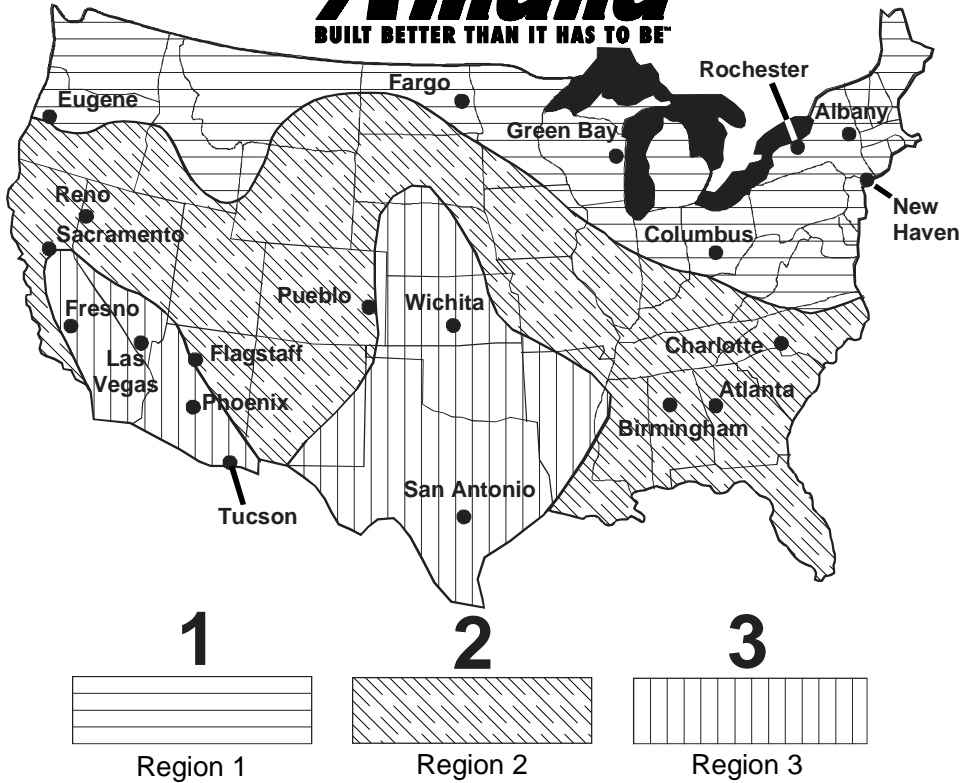


Room Air Conditioner Sizing Instructions



- Instructions**
1. Measure the room to be cooled in square feet.
 2. Select the region (1, 2, or 3) that best fits your location from the map.
 3. Using the chart corresponding to your region, find the column marked (Size of Area to be Cooled in square feet).
 4. Reading down the column, select a number that most closely matches your room size.
 5. Follow this row across to the column that describes the air conditioner exposure direction, and room characteristics.
 6. The number you select will be the approximate btu size needed to cool your room.

| REGION | NORTH OR SHADED | | | EAST OR SOUTH | | | WEST | | |
|--------|--|-------------------|-----------------------|--|-------------------|-----------------------|--|-------------------|-----------------------|
| | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated Ceiling |
| | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | |
| 150 | 3,200 | 3,500 | 4,400 | 5,100 | 5,400 | 6,200 | 6,200 | 6,500 | 7,300 |
| 200 | 3,700 | 4,000 | 5,200 | 5,500 | 5,900 | 7,100 | 6,600 | 7,000 | 8,200 |
| 250 | 4,000 | 4,400 | 5,900 | 6,000 | 6,400 | 7,800 | 7,100 | 7,500 | 8,900 |
| 300 | 4,300 | 4,900 | 6,600 | 6,400 | 6,900 | 8,700 | 7,500 | 8,000 | 9,800 |
| 350 | 4,700 | 5,300 | 7,400 | 6,800 | 7,400 | 9,400 | 7,900 | 8,500 | 10,600 |
| 400 | 5,100 | 5,800 | 8,200 | 7,200 | 7,900 | 10,300 | 8,300 | 9,000 | 11,400 |
| 450 | 5,500 | 6,200 | 8,900 | 7,600 | 8,300 | 11,100 | 8,700 | 9,400 | 12,200 |
| 500 | 5,800 | 6,600 | 9,600 | 8,000 | 8,900 | 11,800 | 9,100 | 10,000 | 12,900 |
| 550 | 6,100 | 7,100 | 10,400 | 8,400 | 9,400 | 12,700 | 9,500 | 10,500 | 13,800 |
| 600 | 6,600 | 7,600 | 11,100 | 8,900 | 9,900 | 13,400 | 10,000 | 11,000 | 14,500 |
| 650 | 6,900 | 8,000 | 11,800 | 9,300 | 10,400 | 14,300 | 10,400 | 11,500 | 15,400 |
| 700 | 7,200 | 8,400 | 12,600 | 9,700 | 10,900 | 15,100 | 10,800 | 12,000 | 16,200 |
| 750 | 7,700 | 8,900 | 13,400 | 10,100 | 11,400 | 15,900 | 11,200 | 12,500 | 17,000 |
| 800 | 8,000 | 9,400 | 14,100 | 10,600 | 11,900 | 16,700 | 11,700 | 13,000 | 17,800 |
| 850 | 8,300 | 9,800 | 14,900 | 11,000 | 12,400 | 17,400 | 12,100 | 13,500 | 18,500 |
| 900 | 8,700 | 10,200 | 15,600 | 11,400 | 12,900 | 18,300 | 12,500 | 14,000 | 19,400 |
| 950 | 9,100 | 10,700 | 16,300 | 11,800 | 13,400 | 19,100 | 12,900 | 14,500 | 20,200 |
| 1000 | 9,400 | 11,100 | 17,100 | 12,300 | 14,000 | 19,900 | 13,400 | 15,100 | 21,000 |
| 1100 | 10,100 | 12,000 | 18,500 | 13,000 | 14,900 | 21,400 | 14,100 | 16,000 | 22,500 |
| 1200 | 10,900 | 12,900 | 20,100 | 13,900 | 15,900 | 23,000 | 15,000 | 17,000 | 24,200 |
| 1300 | 11,600 | 13,800 | 21,500 | 14,700 | 16,900 | 24,700 | 15,800 | 18,000 | 25,800 |
| 1400 | 12,300 | 14,700 | 23,000 | 15,600 | 17,900 | 26,300 | 16,700 | 19,100 | 27,400 |

Additional conditions:

- If average occupancy of area is more than two people, add 600 Btu/hour per person. If average is one person, subtract 600 Btu/hour.
- Add 1200 Btu/hour if area includes a kitchen.
- If room is heavily shaded, subtract 10 percent from capacity. Increase capacity by 10 percent if area is very sunny.

Note: For best results, select a air conditioner with cooling capacity (Btu/hour rating) closest to, but not exceeding, estimated size.

REGIION 2

| Size of Area to be Cooled (in square feet) | NORTH OR SHADED | | | EAST OR SOUTH | | | WEST | | |
|--|--|-------------------|-----------------------|--|-------------------|-----------------------|--|-------------------|-----------------------|
| | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated Ceiling |
| | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | |
| 150 | 3,600 | 3,900 | 5,000 | 5,800 | 6,100 | 7,100 | 7,100 | 7,400 | 8,400 |
| 200 | 4,100 | 4,500 | 5,900 | 6,300 | 6,700 | 8,100 | 7,600 | 8,000 | 9,400 |
| 250 | 4,500 | 5,000 | 6,700 | 6,800 | 7,300 | 9,000 | 8,100 | 8,600 | 10,300 |
| 300 | 4,900 | 5,500 | 7,600 | 7,300 | 7,900 | 10,000 | 8,600 | 9,200 | 11,300 |
| 350 | 5,300 | 6,000 | 8,500 | 7,800 | 8,500 | 10,900 | 9,100 | 9,800 | 12,200 |
| 400 | 5,800 | 6,600 | 9,400 | 8,300 | 9,100 | 11,900 | 9,600 | 10,400 | 13,200 |
| 450 | 6,200 | 7,100 | 10,200 | 8,700 | 9,600 | 12,800 | 10,000 | 10,900 | 14,100 |
| 500 | 6,600 | 7,600 | 11,100 | 9,200 | 10,200 | 13,700 | 10,500 | 11,500 | 15,000 |
| 550 | 7,000 | 8,100 | 12,000 | 9,700 | 10,800 | 14,700 | 11,000 | 12,100 | 16,000 |
| 600 | 7,500 | 8,700 | 12,900 | 10,200 | 11,400 | 15,600 | 11,500 | 12,700 | 16,900 |
| 650 | 7,900 | 9,200 | 13,700 | 10,700 | 12,000 | 16,600 | 12,000 | 13,000 | 17,900 |
| 700 | 8,300 | 9,700 | 14,600 | 11,200 | 12,600 | 17,500 | 12,500 | 13,900 | 18,800 |
| 750 | 8,800 | 10,300 | 15,500 | 11,700 | 13,200 | 18,500 | 13,000 | 14,500 | 19,800 |
| 800 | 9,200 | 10,800 | 16,400 | 12,200 | 13,800 | 19,400 | 13,500 | 15,100 | 20,700 |
| 850 | 9,600 | 11,300 | 17,300 | 12,700 | 14,400 | 20,300 | 14,000 | 15,700 | 21,600 |
| 900 | 10,000 | 11,800 | 18,100 | 13,200 | 15,000 | 21,300 | 14,500 | 16,300 | 22,600 |
| 950 | 10,500 | 12,400 | 19,000 | 13,700 | 15,600 | 22,200 | 15,000 | 16,900 | 23,500 |
| 1000 | 10,900 | 12,900 | 19,900 | 14,200 | 16,200 | 23,200 | 15,500 | 17,500 | 24,500 |
| 1100 | 11,700 | 13,900 | 21,600 | 15,100 | 17,300 | 25,000 | 16,400 | 18,600 | 26,300 |
| 1200 | 12,600 | 15,000 | 23,400 | 16,100 | 18,500 | 26,900 | 17,400 | 19,800 | 28,200 |
| 1300 | 13,400 | 16,000 | 25,100 | 17,100 | 19,700 | 28,800 | 18,400 | 21,000 | 30,100 |
| 1400 | 14,300 | 17,100 | 26,900 | 18,100 | 20,900 | 30,700 | 19,400 | 22,200 | 32,000 |

REGIION 3

| Size of Area to be Cooled (in square feet) | NORTH OR SHADED | | | EAST OR SOUTH | | | WEST | | |
|--|--|-------------------|-----------------------|--|-------------------|-----------------------|--|-------------------|-----------------------|
| | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated ceiling | Room Second Floor | Insulated Ceiling | Non Insulated Ceiling |
| | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | | Required Air Conditioner Cooling Capacity Btu/hour | | |
| 150 | 4,000 | 4,300 | 5,600 | 6,500 | 6,800 | 8,000 | 8,000 | 8,300 | 9,500 |
| 200 | 4,500 | 5,000 | 6,600 | 7,100 | 7,500 | 9,100 | 8,600 | 9,000 | 10,600 |
| 250 | 5,000 | 5,600 | 7,500 | 7,600 | 8,200 | 10,200 | 9,100 | 9,700 | 11,700 |
| 300 | 5,500 | 6,100 | 8,600 | 8,200 | 8,900 | 11,300 | 9,700 | 10,400 | 12,800 |
| 350 | 5,900 | 6,700 | 9,600 | 8,800 | 9,600 | 12,400 | 10,300 | 11,100 | 13,800 |
| 400 | 6,500 | 7,400 | 10,600 | 9,400 | 10,300 | 13,500 | 10,900 | 11,800 | 15,000 |
| 450 | 6,900 | 8,000 | 11,500 | 9,800 | 10,900 | 14,500 | 11,300 | 12,400 | 16,000 |
| 500 | 7,400 | 8,600 | 12,600 | 10,400 | 11,500 | 15,600 | 11,900 | 13,000 | 17,100 |
| 550 | 7,900 | 9,100 | 13,600 | 11,000 | 12,200 | 16,700 | 12,500 | 13,700 | 18,200 |
| 600 | 8,400 | 9,800 | 14,700 | 11,500 | 12,900 | 17,800 | 13,000 | 14,400 | 19,300 |
| 650 | 8,900 | 10,400 | 15,600 | 12,100 | 13,600 | 18,900 | 13,600 | 15,100 | 20,400 |
| 700 | 9,400 | 11,000 | 16,600 | 12,700 | 14,300 | 19,900 | 14,200 | 15,800 | 21,400 |
| 750 | 9,900 | 11,700 | 17,600 | 13,300 | 15,000 | 21,100 | 14,800 | 16,500 | 22,600 |
| 800 | 10,400 | 12,200 | 18,700 | 13,800 | 15,700 | 22,100 | 15,300 | 17,200 | 23,600 |
| 850 | 10,900 | 12,800 | 19,700 | 14,400 | 16,400 | 23,200 | 15,900 | 17,900 | 24,700 |
| 900 | 11,300 | 13,400 | 20,600 | 15,000 | 17,100 | 24,300 | 16,500 | 18,600 | 25,800 |
| 950 | 11,900 | 14,100 | 21,700 | 15,600 | 17,800 | 25,300 | 17,100 | 19,300 | 26,800 |
| 1000 | 12,400 | 14,700 | 22,700 | 16,200 | 18,500 | 26,500 | 17,600 | 19,900 | 28,000 |
| 1100 | 13,300 | 15,800 | 24,700 | 17,200 | 19,700 | 28,600 | 18,700 | 21,200 | 30,100 |
| 1200 | 14,300 | 17,100 | 26,700 | 18,300 | 21,100 | 30,800 | 19,800 | 22,600 | 32,300 |
| 1300 | 15,200 | 18,200 | 28,700 | 19,500 | 22,500 | 32,900 | 21,000 | 24,000 | 34,400 |
| 1400 | 16,300 | 19,500 | 30,800 | 20,600 | 23,900 | 35,100 | 22,100 | 25,300 | 36,600 |