

## Austin Energy Air Conditioner Sizing Guidance<sup>1, 2, 3, 4</sup>

On-Slab Construction					
Single-Stage			Two-Stage / Multi-Stage / Variable-Capacity (Inverter Driven)		
Minimum Conditioned Area	Max Allowable Size of AC Unit per Conditioned Area		Minimum Conditioned Area	Max Allowable Size of AC Unit per Conditioned Area	
(square feet)	(Nominal Performance BTUs)	(Nominal Tons)	(square feet)	(Nominal Performance BTUs)	(Nominal Tons)
≤ 600 <sup>5</sup>	N/A	N/A	≤ 900 <sup>5</sup>	N/A	N/A
601 - 900	18,000	1.5	901 - 1,200	24,000	2
901 - 1,200	24,000	2	1,201 - 1,800	36,000	3
1,201 - 1,500	30,000	2.5	1,801 - 2,400	48,000	4
1,501 - 1,800	36,000	3	≥ 2,401	60,000	5
1,801 - 2,100	42,000	3.5			
2,101 - 2,400	48,000	4			
≥ 2,401	60,000	5			
Pier and Beam Construction <sup>6</sup>					
Single-Stage			Two-Stage / Multi-Stage / Variable-Capacity (Inverter Driven)		
Minimum Conditioned Area	Max Allowable Size of AC Unit per Conditioned Area		Minimum Conditioned Area	Max Allowable Size of AC Unit per Conditioned Area	
(square feet)	(Nominal Performance BTUs)	(Nominal Tons)	(square feet)	(Nominal Performance BTUs)	(Nominal Tons)
≤ 600 <sup>7</sup>	18,000	1.5	≤ 600 <sup>5</sup>	N/A	N/A
601 - 900	24,000	2	601 - 1,200	24,000	2
901 - 1,200	30,000	2.5	1,201 - 1,800	36,000	3
1,201 - 1,500	36,000	3	1,801 - 2,400	48,000	4
1,501 - 1,800	42,000	3.5	≥ 2,401	60,000	5
1,801 - 2,100	48,000	4			
2,101 - 2,400	60,000	5			

### Notes:

1. Contractors are responsible for using their professional judgment as to the applicability of the customer's home to the Austin Energy rebate program-sizing restrictions. It is possible, for example, that an AC unit sized according to this chart would not adequately cool an older home with inadequate insulation, cathedral ceilings, and excessive solar gain through windows. In that situation, we would recommend that the customer consider our Home Performance with ENERGY STAR program, so that the excessive cooling load is addressed.
2. Along with correct AC sizing, additional eligibility criteria for receiving rebates can be found at: <http://savings.austinenenergy.com>
3. Manual Js submitted to justify the size of the installed AC unit beyond the limits of the chart, must be whole home and ACCA compliant. If you are in doubt about the eligibility of a proposed AC installation, we strongly encourage you to contact us before you begin the work and submit the application.
4. Mini-split systems greater than 18,000 BTUs/hour should be sized according to the above chart. If less than 18,000 BTUs/hour, there are no restrictions on minimum conditioned area.
5. For this size of conditioned area, mini-splits or single-stage units would be eligible for the rebate.
6. Because the floors of pier and beam constructed homes have inherently higher air leakage, these homes are allowed an additional 6,000 BTUS (0.5 tons) of cooling over on-slab construction for single stage units. The AC sizing chart shows the allowable sizing for pier and beam construction.
7. For this size of conditioned area, mini-splits or one-ton single-stage units would also be eligible for the rebate.