

**Table HC4-4a. Air Conditioning by Type of Housing Unit,  
Million U.S. Households, 2001**

Air Conditioning Characteristics	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.6	1.5	1.4	1.8	
<b>Households With Electric Air-Conditioning Equipment</b> .....	82.9	58.7	6.5	12.4	5.3	4.9
Air Conditioners Not Used .....	2.1	1.1	Q	0.6	Q	21.8
<b>Households Using Electric Air-Conditioning<sup>1</sup></b> .....	80.8	57.6	6.3	11.8	5.1	4.9
<b>Type of Electric Air-Conditioning Used</b>						
Central Air-Conditioning <sup>2</sup> .....	57.5	43.6	3.2	7.1	3.5	6.7
Without a Heat Pump .....	46.2	35.0	2.4	6.1	2.7	7.7
With a Heat Pump .....	11.3	8.6	0.8	1.0	0.8	19.7
Room Air-Conditioning .....	23.3	13.9	3.1	4.7	1.6	7.7
1 Unit .....	12.8	6.7	1.9	3.3	0.9	9.2
2 Units .....	7.5	4.9	0.9	1.0	0.7	12.0
3 or More Units .....	3.0	2.3	0.3	0.3	Q	21.8
<b>Number of Rooms Air-Conditioned in Summer 2001</b>						
One or Two .....	12.3	6.3	2.2	3.0	0.8	9.3
Three .....	9.2	3.7	1.0	3.6	0.8	13.1
Four .....	12.0	5.8	1.8	3.1	1.3	10.8
Five or More .....	47.3	41.7	1.3	2.0	2.2	8.5
<b>Percentage of Rooms Air-Conditioned</b>						
100% .....	58.8	42.0	3.9	9.1	3.8	6.3
50% to 99% .....	12.1	8.6	1.1	1.4	0.9	10.3
25% to 49% .....	6.4	4.2	0.9	0.9	0.3	13.0
1% to 24% .....	3.5	2.7	0.4	0.3	Q	16.0
<b>Large Tree(s) that Shade the Home</b>						
Yes .....	41.5	33.1	2.2	3.6	2.5	7.6
No .....	39.3	24.4	4.1	8.1	2.6	7.3
<b>Central Air-Conditioner Age (excludes systems for more than one housing unit)</b>						
Less than 2 Years .....	6.1	5.0	Q	0.4	0.5	16.3
2 to 4 Years .....	10.1	8.7	0.3	0.4	0.8	17.8
5 to 9 Years .....	15.4	12.8	0.4	1.2	1.0	13.0
10 to 19 Years .....	15.0	11.9	0.9	1.4	0.8	13.9
20 Years or More .....	5.7	3.9	0.7	0.9	0.2	16.2
Don't Know .....	3.7	1.3	0.6	1.7	Q	17.2
<b>Central Air-Conditioning Use</b>						
Only a Few Times .....	16.8	12.8	0.9	2.1	0.9	11.3
Quite a Bit .....	12.1	9.0	0.6	1.7	0.8	12.0
All Summer .....	28.4	21.8	1.7	3.2	1.7	9.6

See footnotes at end of table.

**Table HC4-4a. Air Conditioning by Type of Housing Unit,  
Million U.S. Households, 2001 (Continued)**

Air Conditioning Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.6	1.5	1.4	1.8	
<b>Pays for Electricity for Central Air-Conditioning</b>						
Yes .....	55.5	43.2	3.0	5.9	3.4	7.0
No .....	2.0	0.4	Q	1.2	Q	33.7
<b>Age of Most-Used Room Air Conditioner</b>						
Less than 2 Years .....	3.1	1.7	0.5	0.5	0.3	18.6
2 to 4 Years .....	5.3	2.9	1.0	1.1	0.4	13.4
5 to 9 Years .....	6.4	4.3	0.8	0.9	0.3	14.2
10 or 19 Years .....	4.3	3.1	0.3	0.5	0.4	14.3
20 or More Years .....	2.0	1.3	Q	0.6	Q	25.1
Don't Know .....	2.2	0.6	0.3	1.1	Q	21.9
<b>Room Air-Conditioning Use</b>						
Only a Few Times .....	13.6	7.9	1.9	3.0	0.8	9.6
Quite a Bit .....	5.0	3.2	0.6	0.9	0.3	16.7
All Summer .....	4.7	2.9	0.6	0.7	0.5	15.1
<b>Pays for Electricity for Room Air-Conditioning</b>						
Yes .....	21.9	13.7	2.8	3.8	1.6	7.7
No .....	1.5	Q	0.3	0.9	Q	25.7

<sup>1</sup> The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 million). It does include the small number of households where the fuel for central air-conditioning equipment was something other than electricity; those households were treated as if the fuel was electricity.

<sup>2</sup> The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2001 Residential Energy Consumption Survey.