

**Table HC4-8a. Air Conditioning by Urban/Rural Location,
Million U.S. Households, 2001**

Air Conditioning Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Households With Electric Air-Conditioning Equipment	82.9	36.8	13.6	18.9	13.6	4.3
Air Conditioners Not Used	2.1	1.2	0.2	0.4	0.3	21.4
Households Using Electric Air-Conditioning²	80.8	35.6	13.4	18.6	13.3	4.3
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ³	57.5	23.6	8.6	15.8	9.4	5.1
Without a Heat Pump	46.2	19.3	7.4	13.1	6.4	6.3
With a Heat Pump	11.3	4.4	1.2	2.8	2.9	13.1
Room Air-Conditioning	23.3	12.0	4.8	2.7	3.9	7.4
1 Unit	12.8	6.8	2.6	1.3	2.1	9.9
2 Units	7.5	3.4	1.7	1.0	1.4	10.3
3 or More Units	3.0	1.7	0.5	0.4	0.4	16.8
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	12.3	6.5	2.3	1.5	1.9	9.0
Three	9.2	5.1	1.6	1.5	1.0	12.9
Four	12.0	5.8	2.1	2.1	2.0	9.7
Five or More	47.3	18.2	7.3	13.5	8.3	5.8
Percentage of Rooms Air-Conditioned						
100%	58.8	25.7	9.2	14.8	9.2	5.2
50% to 99%	12.1	5.1	2.2	2.4	2.4	9.2
25% to 49%	6.4	3.0	1.6	0.8	1.0	12.0
1% to 24%	3.5	1.8	0.4	0.5	0.7	15.1
Large Tree(s) that Shade the Home						
Yes	41.5	16.7	6.8	9.9	8.0	5.8
No	39.3	18.8	6.6	8.6	5.2	6.7
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	6.1	1.9	1.1	1.5	1.5	13.4
2 to 4 Years	10.1	3.7	1.8	2.6	2.0	10.5
5 to 9 Years	15.4	6.1	1.7	4.9	2.7	9.6
10 to 19 Years	15.0	5.8	2.5	4.4	2.3	9.3
20 Years or More	5.7	2.8	0.9	1.4	0.5	14.2
Don't Know	3.7	2.1	0.5	0.9	0.3	19.9
Central Air-Conditioning Use						
Only a Few Times	16.8	7.2	3.1	4.1	2.4	9.0
Quite a Bit	12.1	4.5	1.7	3.9	1.9	9.1
All Summer	28.4	11.7	3.9	7.8	5.0	7.2

See footnotes at end of table.

Table HC4-8a. Air Conditioning by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Air Conditioning Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Pays for Electricity for Central Air-Conditioning						
Yes	55.5	22.2	8.4	15.6	9.2	5.3
No	2.0	1.4	0.2	0.3	0.1	31.0
Age of Most-Used Room Air Conditioner						
Less than 2 Years	3.1	1.6	0.6	0.4	0.5	17.7
2 to 4 Years	5.3	2.8	1.1	0.6	0.7	12.1
5 to 9 Years	6.4	3.1	1.2	0.8	1.3	12.6
10 or 19 Years	4.3	2.0	0.9	0.4	0.9	14.2
20 or More Years	2.0	0.9	0.5	0.4	0.3	22.2
Don't Know	2.2	1.5	0.4	0.2	0.1	23.9
Room Air-Conditioning Use						
Only a Few Times	13.6	6.8	2.9	1.8	2.1	8.6
Quite a Bit	5.0	2.7	0.8	0.6	1.0	15.1
All Summer	4.7	2.4	1.1	0.4	0.9	14.0
Pays for Electricity for Room Air-Conditioning						
Yes	21.9	11.2	4.5	2.4	3.8	7.2
No	1.5	0.8	0.3	Q	0.1	29.7

¹ Based on the household respondent's description rather than the Federal Government definition.

² 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.

³ 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.