

Table CE3-4c. Electric Air-Conditioning Energy Consumption in U.S. Households by Type of Housing Unit, 2001

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.5	1.8	
Million Households						
Total U.S. Households	107.0	73.7	9.5	17.0	6.8	4.3
No/Don't Use Air-Conditioning	26.2	16.1	3.2	5.2	1.7	8.4
Electric Air-Conditioning ¹	80.8	57.6	6.3	11.8	5.1	4.9
Central Air-Conditioning ²	57.5	43.6	3.2	7.1	3.5	6.7
Room/Wall Air-Conditioning	23.3	13.9	3.1	4.7	1.6	7.7
Quadrillion Btu^a						
Electric Air-Conditioning Btu Consumption						
Total	0.62	0.50	0.03	0.05	0.04	7.9
Central Air-Conditioning	0.55	0.45	0.02	0.05	0.03	9.0
Room/Wall Air-Conditioning	0.08	0.05	0.01	0.01	0.01	10.8
Billion kWh^a						
Electric Air-Conditioning kWh Consumption						
Total	183	146	9	16	11	7.9
Central Air-Conditioning	161	131	7	13	9	9.0
Room/Wall Air-Conditioning	22	15	2	3	2	10.8
Million Btu per Household^{3,a}						
Electric Air-Conditioning Btu Consumption per Household						
Electric Air-Conditioning	7.7	8.7	5.0	4.6	7.4	5.5
Central Air-Conditioning	9.5	10.3	7.4	6.4	8.9	5.9
Room/Wall Air-Conditioning	3.2	3.7	2.6	1.9	4.0	6.9
kWh per Household^{3,a}						
Electric Air-Conditioning kWh Consumption per Household						
Electric Air-Conditioning	2,263	2,545	1,477	1,350	2,157	5.5
Central Air-Conditioning	2,796	3,008	2,161	1,870	2,611	5.9
Room/Wall Air-Conditioning	950	1,094	774	557	1,175	6.9
2001 Cooling Degree-Days (CDD) per Household³						
2001 Cooling Degree-Days per Household						
Total U.S. Households	1,407	1,421	1,282	1,389	1,485	4.2
No/Don't Use Air-Conditioning	883	919	825	751	1,059	7.4
Electric Air-Conditioning	1,578	1,561	1,511	1,673	1,623	4.3
Central Air-Conditioning	1,701	1,646	1,952	1,957	1,627	5.0
Room/Wall Air-Conditioning	1,274	1,295	1,058	1,240	1,613	5.4

See footnotes at end of table.

Table CE3-4c. Electric Air-Conditioning Energy Consumption in U.S. Households by Type of Housing Unit, 2001 (Continued)

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.5	1.8	
Cooled Square Footage (CSF) per Household³						
Cooled Square Footage per Household						
Electric Air-Conditioning	1,724	2,061	1,029	787	958	3.3
Central Air-Conditioning	2,032	2,348	1,181	924	1,128	3.4
Room/Wall Air-Conditioning	967	1,161	874	578	591	4.6
Air-Conditioning Intensity^{3,a} [kWh÷(CDD×(CSF÷1000))]						
Air-Conditioning Intensity						
Electric Air-Conditioning	0.83	0.79	0.95	1.03	1.39	2.9
Central Air-Conditioning	0.81	0.78	0.94	1.03	1.42	3.1
Room/Wall Air-Conditioning	0.77	0.73	0.84	0.78	1.23	6.6

¹ 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).

² 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.

³ Averages are for those households using any electric air-conditioning, central air-conditioning, or room/wall air-conditioning, as applicable.

^a The row factor in this section is underestimated because it contains no error for estimating the end-use.

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-G of the 2001 Residential Energy Consumption Survey.