

**Table 3.16a. Appliances by Census Region and Climate Zone,  
Million U.S. Households, 1993**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Total</b> .....	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.7
<b>Air-Conditioner</b> .....	66.1	11.3	17.1	29.9	7.8	4.4	16.1	16.4	10.8	18.5	5.8
Central <sup>1</sup> .....	42.1	3.9	10.8	21.8	5.5	2.4	8.9	9.2	7.1	14.5	8.7
Electric .....	41.9	3.9	10.7	21.8	5.5	2.4	8.8	9.2	7.1	14.5	8.7
Without a Heat Pump .....	30.1	3.0	9.8	13.9	3.5	2.3	7.6	6.2	4.4	9.7	9.8
With a Heat Pump .....	11.9	1.0	1.0	7.9	2.0	Q	1.3	3.0	2.6	4.8	14.1
Gas <sup>2</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	91.1
Room <sup>1</sup> .....	25.7	7.6	6.6	9.0	2.6	2.1	7.3	7.6	4.1	4.6	9.8
1 Unit .....	17.3	4.6	4.7	5.7	2.3	1.7	5.1	4.4	3.2	3.0	10.2
2 Units .....	6.3	2.3	1.6	2.2	0.2	0.4	1.9	2.3	0.7	1.1	17.2
3 or More Units .....	2.2	0.8	0.4	1.0	Q	Q	0.4	1.0	0.2	0.5	19.8
<b>Clothes Washer</b> .....	74.5	14.4	18.4	27.0	14.7	7.3	20.5	17.0	13.2	16.4	4.8
<b>Clothes Dryer</b> .....	68.8	12.5	18.0	24.6	13.6	6.9	19.6	15.5	11.7	15.1	4.9
Electric .....	54.7	9.0	13.2	22.5	10.0	5.7	14.4	12.7	9.0	12.8	6.6
Natural Gas .....	13.4	3.4	4.5	1.9	3.6	1.0	5.0	2.6	2.7	2.1	11.5
LPG .....	0.7	0.2	0.3	0.2	Q	0.2	0.1	0.2	Q	Q	37.3
<b>Dishwasher</b> .....	43.7	8.1	9.4	15.7	10.5	3.6	11.4	10.5	7.8	10.5	5.5
<b>Fans</b> .....	88.4	17.5	22.1	31.2	17.6	7.9	24.9	19.9	15.5	20.1	5.6
Ceiling .....	51.8	8.6	13.2	22.1	8.0	3.9	13.6	11.1	8.6	14.6	5.9
1 .....	22.3	4.7	6.5	6.6	4.4	2.3	7.3	4.8	3.7	4.1	7.9
2 .....	12.0	2.1	3.4	4.7	1.7	0.9	3.2	3.0	2.1	2.8	9.8
3 or more .....	17.6	1.8	3.3	10.7	1.9	0.7	3.1	3.4	2.8	7.7	10.2
Exhaust (attic) .....	9.0	2.2	2.0	3.4	1.4	0.3	2.4	2.8	1.4	2.1	13.2
Exhaust (other) .....	55.8	11.0	14.1	19.7	11.0	5.1	16.3	13.0	8.9	12.5	5.7
Portable .....	50.0	10.4	13.4	14.9	11.3	5.1	15.0	10.4	9.3	10.2	5.4
Whole-House .....	4.1	0.8	1.0	1.6	0.7	Q	1.2	1.0	0.6	1.1	15.2
Window .....	12.9	4.1	4.4	3.3	1.2	1.3	5.3	3.6	1.5	1.3	11.1
<b>Freezer</b> .....	33.4	5.0	10.2	12.5	5.7	4.6	9.2	7.0	5.6	6.9	8.0
1 .....	29.5	4.6	9.3	10.5	5.1	4.0	8.5	6.0	4.9	6.0	7.7
2 or more .....	3.8	0.4	0.9	2.0	0.6	0.6	0.7	1.0	0.7	0.9	19.0
<b>Defrost Method</b>											
Frost-Free .....	11.2	1.7	2.6	4.9	2.0	1.1	2.5	2.9	2.2	2.5	10.5
Manual .....	22.1	3.3	7.6	7.5	3.8	3.5	6.7	4.2	3.4	4.4	10.1
<b>Type</b>											
Upright .....	16.9	3.1	4.4	5.6	3.8	2.0	4.9	3.6	2.7	3.6	8.8
Chest .....	16.5	1.9	5.8	6.9	1.9	2.5	4.3	3.4	2.9	3.3	12.2
<b>Age</b>											
Less than 2 Years .....	2.1	0.4	0.7	0.7	0.3	0.2	0.8	0.4	0.3	0.4	20.4
2 to 4 Years .....	3.4	0.5	1.1	1.3	0.5	0.6	0.9	0.7	0.5	0.8	13.7
5 to 9 Years .....	6.6	0.8	1.6	3.1	1.1	0.9	1.6	1.1	1.5	1.5	13.0
10 to 19 Years .....	12.6	1.9	3.8	4.8	2.2	1.6	3.6	3.0	1.8	2.7	9.9
20 Years or More .....	7.7	1.3	2.8	2.2	1.5	1.3	2.3	1.6	1.2	1.3	13.0
Don't Know .....	0.9	Q	0.3	0.4	0.2	Q	0.2	0.2	0.2	0.2	26.7

See footnotes at end of table.

**Table 3.16b. Appliances by Census Region and Climate Zone,  
Percent of U.S. Households, 1993**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Total</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
<b>Air-Conditioner</b> .....	68.4	58.0	73.5	89.2	38.4	50.9	60.6	72.9	60.7	87.1	3.6
Central <sup>1</sup> .....	43.5	20.2	46.3	65.1	27.2	27.8	33.6	40.8	39.8	68.5	6.7
Electric .....	43.4	20.1	46.0	65.1	27.0	27.5	33.3	40.8	39.7	68.4	6.7
Without a Heat Pump .....	31.1	15.2	41.9	41.4	17.1	26.3	28.6	27.4	24.8	45.6	7.7
With a Heat Pump .....	12.3	4.9	4.1	23.7	9.9	Q	4.8	13.3	14.9	22.9	13.1
Gas <sup>2</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	76.2
Room <sup>1</sup> .....	26.6	39.0	28.4	26.7	12.7	23.8	27.7	33.9	23.1	21.8	7.7
1 Unit .....	17.9	23.5	20.1	17.1	11.5	19.1	19.1	19.4	18.0	14.3	8.0
2 Units .....	6.5	11.6	6.7	6.7	1.0	4.1	7.0	10.0	3.9	5.2	15.5
3 or More Units .....	2.2	3.9	1.6	2.9	Q	Q	1.6	4.4	1.1	2.3	18.9
<b>Clothes Washer</b> .....	77.1	74.0	79.0	80.5	72.1	84.1	77.4	75.7	74.2	77.5	2.1
<b>Clothes Dryer</b> .....	71.2	64.4	77.2	73.6	66.8	79.2	73.8	69.1	66.0	71.1	2.4
Electric .....	56.6	46.2	56.6	67.2	48.9	65.1	54.3	56.7	50.7	60.6	3.9
Natural Gas .....	13.9	17.4	19.4	5.7	17.7	12.0	19.0	11.5	15.0	10.1	11.2
LPG .....	0.7	0.8	1.1	0.7	Q	2.2	0.5	1.0	Q	Q	36.3
<b>Dishwasher</b> .....	45.2	41.5	40.4	46.9	51.6	41.0	43.0	46.6	43.8	49.5	4.0
<b>Fans</b> .....	91.5	89.9	94.8	93.2	86.5	91.0	94.2	88.8	87.2	94.8	1.3
Ceiling .....	53.6	44.2	56.6	65.9	39.1	44.7	51.4	49.6	48.5	68.7	3.6
1 .....	23.0	24.3	28.0	19.8	21.5	26.4	27.7	21.2	21.0	19.5	5.8
2 .....	12.4	10.8	14.6	14.1	8.5	10.4	12.1	13.5	11.7	13.0	7.5
3 or more .....	18.2	9.1	14.0	31.9	9.1	7.9	11.6	14.9	15.8	36.2	8.4
Exhaust (attic) .....	9.3	11.5	8.6	10.2	6.8	3.3	9.1	12.6	8.0	9.7	11.7
Exhaust (other) .....	57.8	56.6	60.5	58.8	54.1	59.1	61.7	57.8	49.8	58.9	3.3
Portable .....	51.8	53.5	57.7	44.5	55.5	59.1	56.6	46.5	52.0	48.2	3.3
Whole-House .....	4.2	4.1	4.3	4.7	3.4	Q	4.6	4.6	3.5	5.1	14.0
Window .....	13.4	21.2	18.7	9.8	5.7	14.6	19.8	16.0	8.3	6.4	9.1
<b>Freezer</b> .....	34.5	25.5	43.8	37.2	28.1	52.8	34.9	31.3	31.3	32.7	5.5
1 .....	30.5	23.4	40.1	31.3	25.2	46.1	32.2	26.9	27.4	28.5	5.1
2 or more .....	4.0	2.1	3.7	5.9	2.9	6.6	2.7	4.4	3.9	4.2	17.5
<b>Defrost Method</b>											
Frost-Free .....	11.6	8.7	11.3	14.7	9.6	12.9	9.5	12.7	12.3	12.0	8.6
Manual .....	22.9	16.8	32.5	22.5	18.5	39.8	25.4	18.6	19.0	20.7	7.8
<b>Type</b>											
Upright .....	17.4	15.7	18.9	16.7	18.6	23.6	18.6	16.1	15.0	17.0	6.7
Chest .....	17.1	9.7	24.9	20.5	9.5	29.2	16.3	15.2	16.3	15.7	9.7
<b>Age</b>											
Less than 2 Years .....	2.2	1.8	3.2	2.2	1.4	2.3	3.0	1.7	1.8	2.0	19.3
2 to 4 Years .....	3.5	2.7	4.7	4.0	2.3	6.6	3.3	2.9	3.1	3.7	11.5
5 to 9 Years .....	6.8	4.3	6.8	9.1	5.5	9.8	5.9	5.0	8.6	7.2	11.0
10 to 19 Years .....	13.0	9.9	16.1	14.2	10.6	17.9	13.5	13.4	10.0	12.6	7.8
20 Years or More .....	8.0	6.5	11.9	6.5	7.4	15.0	8.6	7.3	6.5	6.3	10.9
Don't Know .....	0.9	Q	1.1	1.2	0.9	Q	0.6	0.9	1.3	0.9	24.9

See footnotes at end of table.

**Table 3.16a. Appliances by Census Region and Climate Zone,  
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Freezer Size</b>											
Very Small (Less than 11 cf) .....	2.8	0.5	0.9	0.9	0.5	0.5	0.8	0.5	0.5	0.6	16.7
Small (11-14 cf) .....	6.7	0.8	2.1	2.7	1.1	0.9	1.7	1.3	1.2	1.6	14.0
Medium (15-18 cf) .....	12.1	1.8	3.9	4.5	2.0	1.8	3.4	2.5	2.1	2.3	10.9
Large (19-22 cf) .....	9.5	1.5	2.8	3.6	1.7	1.2	2.7	2.2	1.4	2.1	11.6
Very Large (23 or More cf) .....	2.2	0.4	0.5	0.7	0.5	0.2	0.7	0.6	0.3	0.4	20.6
<b>Heaters (other)</b>											
Hot Tub or Spa .....	2.8	0.3	0.4	1.0	1.1	0.2	0.6	0.6	0.6	0.9	17.2
Electric .....	1.9	0.2	0.4	0.6	0.7	0.2	0.4	0.5	0.3	0.5	21.9
Natural Gas .....	0.7	Q	Q	0.2	0.4	Q	Q	Q	0.2	0.3	26.3
LPG/Other .....	0.2	Q	Q	0.1	Q	Q	Q	Q	Q	0.1	27.8
Portable Space .....	11.8	1.8	3.1	4.8	2.0	1.0	2.8	2.9	2.5	2.5	12.0
Electric .....	9.8	1.5	2.4	3.9	2.0	0.8	2.2	2.3	2.2	2.3	11.9
Kerosene .....	2.3	0.4	0.9	1.1	Q	0.2	0.7	0.8	0.4	0.3	24.1
Swimming Pool .....	0.8	Q	Q	0.4	0.3	Q	Q	0.1	0.2	0.4	30.8
Natural Gas .....	0.5	Q	Q	0.2	0.1	Q	Q	Q	Q	0.2	49.6
Electric/LPG/Other .....	0.4	Q	Q	0.1	Q	Q	Q	Q	Q	0.1	50.1
Waterbed Heaters .....	11.9	1.4	4.1	4.1	2.3	1.4	3.9	2.3	1.5	2.7	10.8
1 .....	9.7	1.2	3.3	3.3	1.9	1.1	3.2	1.9	1.2	2.3	11.1
2 or More .....	2.2	0.2	0.8	0.8	0.4	0.3	0.7	0.4	0.3	0.5	21.6
Waterbed Heaters											
Used All Year .....	9.9	1.2	3.6	3.3	1.8	1.3	3.4	1.8	1.2	2.2	11.4
1 .....	8.2	1.0	3.0	2.7	1.5	1.0	2.8	1.6	1.0	1.8	11.6
2 or More .....	1.7	0.2	0.6	0.7	0.3	0.3	0.6	0.3	0.2	0.4	23.2
<b>Office Equipment</b> .....	23.3	4.8	5.5	7.2	5.8	2.1	6.4	5.9	4.1	4.9	7.7
Facsimile Machine .....	2.9	0.6	0.4	1.0	0.8	0.1	0.6	0.8	0.7	0.7	16.2
Laser Printer .....	5.3	0.9	1.0	1.8	1.6	0.3	1.2	1.4	1.2	1.1	10.5
Personal Computer .....	22.6	4.7	5.3	6.9	5.7	2.0	6.2	5.6	4.0	4.8	7.7
Photocopier .....	1.5	0.3	0.4	0.6	0.3	0.1	0.4	0.4	0.2	0.3	20.0
<b>Oven</b> .....	94.3	18.8	22.9	32.6	20.0	8.4	25.9	22.0	17.5	20.5	6.8
Electric .....	59.4	9.2	13.5	23.8	12.9	6.0	15.3	13.3	11.1	13.9	6.3
Natural Gas .....	30.7	8.6	8.4	6.9	6.7	1.7	9.9	7.9	5.8	5.4	9.0
LPG .....	4.2	1.0	1.0	1.9	0.4	0.7	0.9	0.7	0.6	1.3	24.9
<b>Pumps (Electric)</b> .....	18.2	4.0	4.6	6.5	3.2	2.6	5.1	3.9	2.6	4.0	10.0
Hot Tub or Spa .....	2.8	0.3	0.4	1.0	1.1	0.2	0.6	0.6	0.6	0.9	17.2
Swimming Pool .....	4.6	1.1	0.5	1.9	1.1	0.2	0.9	1.0	1.0	1.5	13.6
Well Water .....	13.0	3.0	4.0	4.5	1.4	2.4	4.0	2.8	1.4	2.4	13.5
<b>Range</b> .....	96.1	19.3	23.3	33.3	20.2	8.6	26.4	22.4	17.7	21.0	6.7
Electric .....	59.3	9.3	13.6	23.9	12.6	6.2	15.3	13.2	10.9	13.8	6.5
Natural Gas .....	32.2	9.0	8.7	7.2	7.2	1.7	10.3	8.2	6.1	5.8	8.9
LPG .....	4.6	1.0	1.0	2.2	0.4	0.7	0.9	0.8	0.6	1.5	24.0

See footnotes at end of table.

**Table 3.16b. Appliances by Census Region and Climate Zone,  
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Freezer Size</b>											
Very Small (Less than 11 cf) .....	2.9	2.6	3.9	2.6	2.3	5.8	3.0	2.1	2.6	2.6	14.4
Small (11-14 cf) .....	6.9	4.0	9.2	8.2	5.3	10.1	6.5	5.8	7.0	7.3	11.8
Medium (15-18 cf) .....	12.6	9.3	16.6	13.4	9.7	20.8	12.7	11.2	11.9	11.0	8.4
Large (19-22 cf) .....	9.9	7.5	11.9	10.8	8.3	13.8	10.0	9.7	8.0	9.8	9.5
Very Large (23 or More cf) .....	2.3	2.1	2.2	2.2	2.6	2.2	2.6	2.5	1.8	1.9	19.5
<b>Heaters (other)</b>											
Hot Tub or Spa .....	2.9	1.3	1.9	3.0	5.6	2.7	2.1	2.5	3.3	4.3	16.7
Electric .....	2.0	1.2	1.6	1.9	3.5	2.5	1.7	2.0	1.9	2.3	21.4
Natural Gas .....	0.7	Q	Q	0.7	1.9	Q	Q	Q	1.4	1.3	24.3
LPG/Other .....	0.2	Q	Q	0.4	Q	Q	Q	Q	Q	0.7	25.3
Portable Space .....	12.2	9.5	13.3	14.3	10.0	11.0	10.6	12.9	14.3	11.9	10.6
Electric .....	10.1	7.7	10.2	11.7	9.8	9.2	8.3	10.4	12.2	10.9	10.5
Kerosene .....	2.4	1.9	3.7	3.2	Q	1.9	2.6	3.6	2.3	1.3	23.5
Swimming Pool .....	0.9	Q	Q	1.1	1.5	Q	Q	0.6	1.4	1.7	29.6
Natural Gas .....	0.5	Q	Q	0.6	0.7	Q	Q	Q	Q	1.1	42.8
Electric/LPG/Other .....	0.4	Q	Q	0.4	Q	Q	Q	Q	Q	0.6	44.7
Waterbed Heaters .....	12.3	7.1	17.8	12.2	11.1	16.6	14.8	10.1	8.4	12.9	8.6
1 .....	10.0	6.0	14.3	9.8	9.1	12.9	12.0	8.3	6.9	10.7	9.2
2 or More .....	2.3	1.1	3.4	2.4	2.0	3.7	2.8	1.8	1.5	2.2	19.8
Waterbed Heaters Used All Year .....	10.3	6.1	15.3	9.9	8.9	14.9	12.8	8.2	6.8	10.3	9.1
1 .....	8.5	5.1	12.8	8.0	7.5	11.5	10.7	6.9	5.8	8.3	9.5
2 or More .....	1.8	1.0	2.5	2.0	1.4	3.3	2.1	1.3	1.0	2.0	21.5
<b>Office Equipment</b> .....	24.2	24.8	23.6	21.4	28.7	23.9	24.1	26.1	23.2	23.1	6.6
Facsimile Machine .....	3.0	3.2	1.8	3.1	4.1	1.5	2.2	3.6	3.7	3.5	16.2
Laser Printer .....	5.5	4.8	4.5	5.3	7.7	3.9	4.7	6.1	6.8	5.4	9.7
Personal Computer .....	23.3	23.9	22.8	20.5	28.0	23.3	23.3	25.0	22.4	22.4	6.6
Photocopier .....	1.6	1.4	1.8	1.7	1.5	1.5	1.6	1.8	1.4	1.5	19.6
<b>Oven</b> .....	97.6	96.7	98.3	97.3	98.1	96.6	97.9	97.9	98.3	96.8	NE
Electric .....	61.5	47.2	58.1	71.2	63.2	68.7	57.6	59.2	62.3	65.4	4.2
Natural Gas .....	31.8	44.4	36.2	20.6	33.1	19.7	37.3	35.1	32.6	25.6	7.8
LPG .....	4.3	4.9	4.2	5.6	1.8	8.2	3.3	3.3	3.5	5.9	23.9
<b>Pumps (Electric)</b> .....	18.8	20.3	19.8	19.3	15.5	29.4	19.2	17.4	14.9	18.9	8.8
Hot Tub or Spa .....	2.9	1.3	1.9	3.0	5.6	2.7	2.1	2.5	3.3	4.3	16.7
Swimming Pool .....	4.8	5.5	2.3	5.6	5.4	2.5	3.4	4.3	5.8	6.9	13.2
Well Water .....	13.4	15.5	17.1	13.4	7.1	27.7	15.2	12.3	7.7	11.2	12.5
<b>Range</b> .....	99.4	99.2	99.8	99.4	99.3	99.5	99.6	99.5	99.4	99.2	NE
Electric .....	61.4	47.6	58.3	71.3	61.9	70.8	57.6	58.9	61.3	65.0	4.2
Natural Gas .....	33.3	46.1	37.5	21.6	35.5	20.1	38.9	36.6	34.5	27.3	7.8
LPG .....	4.7	5.3	4.2	6.5	1.9	8.5	3.4	3.7	3.6	7.0	23.1

See footnotes at end of table.

**Table 3.16a. Appliances by Census Region and Climate Zone,  
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Refrigerators</b> .....	96.5	19.4	23.3	33.4	20.3	8.7	26.5	22.4	17.8	21.1	6.7
1 .....	82.1	16.8	18.8	29.4	17.2	6.8	22.0	19.5	15.2	18.6	4.0
2 or More .....	14.4	2.6	4.5	4.1	3.2	1.9	4.5	2.9	2.6	2.5	9.1
<b>Defrost Method</b>											
Frost-Free .....	81.8	16.1	19.3	29.4	17.0	7.1	22.3	18.6	14.9	19.0	4.6
Manual .....	14.7	3.4	4.0	4.0	3.4	1.6	4.2	3.8	2.9	2.2	9.8
<b>Type</b>											
2-Doors (top and bottom) .....	71.3	14.6	18.3	24.8	13.5	7.1	20.4	16.5	11.6	15.7	4.2
2-Doors (side-by-side) .....	16.6	2.9	3.2	6.1	4.4	0.8	4.0	3.7	3.9	4.2	8.0
Regular (single door) .....	7.9	1.8	1.7	2.3	2.1	0.8	1.9	2.0	2.1	1.1	11.2
Half-Size/Other .....	0.8	Q	Q	0.3	0.3	Q	0.1	0.2	0.3	Q	27.7
<b>Age</b>											
Less than 2 Years .....	11.9	2.3	2.8	4.2	2.5	1.0	3.3	2.3	2.3	2.9	10.7
2 to 4 Years .....	16.2	3.5	3.7	5.8	3.3	1.4	4.1	3.9	3.2	3.5	8.7
5 to 9 Years .....	28.1	5.9	6.4	10.2	5.6	2.5	7.5	6.9	4.8	6.4	7.0
10 to 19 Years .....	24.9	4.7	6.1	8.5	5.6	2.6	6.9	5.6	4.4	5.4	7.6
20 Years or More .....	7.0	1.7	2.3	1.7	1.4	0.7	2.3	1.9	1.3	0.8	12.3
Don't Know .....	8.3	1.4	2.0	3.0	1.9	0.5	2.4	1.7	1.7	2.0	12.8
<b>Size</b>											
Very Small (Less than 11 cf) .....	1.3	0.3	0.4	0.3	0.3	Q	0.4	0.3	0.3	0.2	29.8
Small (11-14 cf) .....	8.9	2.2	2.4	2.6	1.7	0.8	2.7	2.2	1.6	1.6	11.1
Medium (15-18 cf) .....	52.4	10.3	13.4	18.1	10.6	5.4	14.6	12.6	9.0	10.9	5.2
Large (19-22 cf) .....	30.0	5.7	6.5	11.0	6.8	2.2	8.0	6.3	6.1	7.3	6.6
Very Large (23 or More cf) .....	3.9	0.9	0.6	1.4	1.0	0.2	0.8	1.0	0.9	1.0	17.5
<b>Through-the-Door Ice Service</b>											
Yes .....	10.1	1.6	1.9	4.2	2.5	0.5	2.2	2.2	2.6	2.7	10.1
No .....	86.3	17.9	21.4	29.2	17.8	8.2	24.3	20.2	15.2	18.4	4.5
<b>Television Sets</b> .....	95.4	19.3	22.9	33.1	20.0	8.5	26.3	22.1	17.6	21.0	6.8
Color .....	94.4	19.1	22.8	32.7	19.9	8.3	26.0	21.9	17.4	20.8	6.8
1 .....	39.2	7.4	9.4	13.8	8.5	4.0	10.6	8.2	7.7	8.7	6.5
2 .....	35.2	7.7	8.4	12.0	7.2	2.8	10.1	8.5	6.3	7.6	5.9
3 .....	14.3	2.8	3.4	5.1	3.1	1.1	3.8	3.6	2.6	3.3	8.5
4 .....	4.2	0.8	1.2	1.2	0.9	0.4	1.2	1.1	0.5	0.9	11.4
5 or More .....	1.5	0.4	0.4	0.5	0.3	0.1	0.4	0.5	0.3	0.3	18.9
Black/White .....	19.0	3.9	5.5	6.5	3.1	1.7	5.9	4.6	2.9	3.9	7.8
1 .....	16.9	3.5	4.7	5.8	2.8	1.6	5.1	4.1	2.6	3.6	8.2
2 or More .....	2.1	0.3	0.8	0.7	0.3	0.2	0.8	0.5	0.3	0.3	20.1

See footnotes at end of table.

**Table 3.16b. Appliances by Census Region and Climate Zone,  
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Refrigerators</b> .....	99.8	99.7	100.0	99.7	99.9	100.0	100.0	99.6	99.9	99.7	NE
1 .....	85.0	86.4	80.5	87.6	84.3	78.0	83.1	86.6	85.5	87.9	1.2
2 or More .....	14.9	13.3	19.5	12.1	15.6	22.0	16.9	13.0	14.4	11.8	6.8
<b>Defrost Method</b>											
Frost-Free .....	84.6	82.4	83.0	87.7	83.4	81.4	84.0	82.6	83.8	89.4	1.6
Manual .....	15.2	17.3	17.0	12.0	16.5	18.6	16.0	16.9	16.1	10.4	8.2
<b>Type</b>											
2-Doors (top and bottom) .....	73.7	75.2	78.5	74.0	66.5	81.7	77.0	73.5	65.1	74.0	1.7
2-Doors (side-by-side) .....	17.1	14.8	13.8	18.1	21.6	9.3	15.1	16.3	21.7	20.0	6.6
Regular (single door) .....	8.2	9.1	7.2	6.9	10.4	8.8	7.4	9.0	11.6	5.1	10.4
Half-Size/Other .....	0.8	Q	Q	0.8	1.4	Q	0.5	0.8	1.5	Q	27.0
<b>Age</b>											
Less than 2 Years .....	12.3	11.8	12.2	12.6	12.3	11.5	12.4	10.4	13.1	13.7	9.1
2 to 4 Years .....	16.8	17.8	15.8	17.2	16.3	16.1	15.6	17.4	18.1	16.7	7.7
5 to 9 Years .....	29.1	30.5	27.5	30.4	27.4	28.6	28.5	30.6	27.2	30.1	4.8
10 to 19 Years .....	25.8	23.9	26.2	25.3	27.7	30.0	25.9	25.1	24.5	25.7	5.4
20 Years or More .....	7.3	8.6	9.8	5.2	6.7	8.4	8.7	8.4	7.1	4.0	10.6
Don't Know .....	8.6	7.1	8.6	9.1	9.5	5.4	8.9	7.7	9.8	9.6	11.7
<b>Size</b>											
Very Small (Less than 11 cf) .....	1.3	1.5	1.6	0.9	1.4	Q	1.6	1.2	1.5	1.1	27.9
Small (11-14 cf) .....	9.2	11.3	10.5	7.7	8.1	9.1	10.2	9.7	8.9	7.7	9.4
Medium (15-18 cf) .....	54.3	53.1	57.3	54.1	52.2	62.1	55.1	56.0	50.4	51.5	2.9
Large (19-22 cf) .....	31.0	29.3	27.8	32.7	33.5	25.8	30.1	28.2	34.3	34.6	4.7
Very Large (23 or More cf) .....	4.0	4.5	2.8	4.2	4.7	2.3	3.0	4.5	4.9	4.8	17.1
<b>Through-the-Door Ice Service</b>											
Yes .....	10.5	8.0	8.0	12.5	12.4	5.2	8.3	9.7	14.5	12.7	9.2
No .....	89.3	91.7	92.0	87.2	87.5	94.8	91.7	89.8	85.4	87.0	1.1
<b>Television Sets</b> .....	98.8	99.3	98.4	98.9	98.4	97.4	99.1	98.5	98.8	99.1	NE
Color .....	97.7	98.1	97.6	97.5	97.8	96.0	98.3	97.4	97.7	97.9	NE
1 .....	40.5	38.2	40.3	41.3	41.9	46.3	40.0	36.6	43.1	41.0	4.0
2 .....	36.4	39.3	35.9	35.8	35.2	32.1	38.0	37.7	35.4	35.7	4.0
3 .....	14.8	14.5	14.4	15.1	15.1	12.2	14.2	16.0	14.5	15.7	7.2
4 .....	4.3	4.2	5.3	3.7	4.2	4.4	4.6	5.0	2.9	4.3	10.2
5 or More .....	1.6	1.9	1.7	1.6	1.3	1.1	1.5	2.1	1.8	1.2	18.5
Black/White .....	19.6	19.9	23.4	19.5	15.3	19.9	22.3	20.5	16.1	18.2	6.0
1 .....	17.5	18.2	20.1	17.3	14.0	18.0	19.2	18.2	14.5	16.9	6.3
2 or More .....	2.2	1.8	3.3	2.1	1.3	1.9	3.1	2.2	1.7	1.3	19.5

See footnotes at end of table.

**Table 3.16a. Appliances by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Water Heaters<sup>3</sup></b>	95.5	18.8	23.3	33.1	20.3	8.4	26.3	22.1	17.8	21.1	6.8
Electric	37.1	4.5	6.9	19.2	6.5	3.8	7.4	8.8	6.3	10.8	9.7
For One Housing Unit	35.8	4.4	6.6	18.8	6.0	3.6	7.2	8.6	5.9	10.6	9.9
For Two or More Units <sup>4</sup>	1.3	Q	0.3	0.4	0.5	Q	0.3	0.2	0.4	0.3	36.9
Natural Gas	51.2	10.1	15.3	12.6	13.2	3.7	16.7	10.4	10.9	9.3	7.5
For One Housing Unit	44.0	7.7	13.1	12.0	11.2	3.3	14.0	8.4	9.4	8.8	8.4
For Two or More Units <sup>4</sup>	7.2	2.4	2.2	0.6	2.0	0.5	2.7	2.0	1.5	0.5	17.1
Fuel Oil	4.0	3.8	Q	Q	Q	0.3	1.4	2.3	Q	Q	13.1
For One Housing Unit	2.2	2.1	Q	Q	Q	0.2	1.1	0.8	Q	Q	15.9
For Two or More Units <sup>4</sup>	1.8	1.7	Q	Q	Q	Q	0.2	1.5	Q	Q	22.7
LPG	2.8	0.4	1.0	1.0	0.4	0.5	0.6	Q	0.4	0.7	27.6
Other	0.4	0.1	Q	0.1	0.2	Q	Q	Q	Q	0.1	46.3
<b>Water Heater (for one housing unit)</b>											
<b>Age</b>											
Less than 2 Years	11.4	1.9	2.7	4.5	2.4	1.2	3.0	2.1	2.0	3.1	10.9
2 to 4 Years	13.9	2.5	3.3	5.3	2.8	1.4	3.8	2.8	2.7	3.2	9.2
5 to 9 Years	21.4	3.8	5.1	8.1	4.4	1.6	5.8	5.2	3.8	5.0	9.0
10 to 19 Years	19.5	3.3	5.2	7.0	4.0	2.0	5.2	4.5	3.5	4.3	8.6
20 Years or More	7.5	1.7	2.2	2.0	1.5	0.7	2.5	1.7	1.2	1.4	14.0
Don't Know	11.3	1.3	2.3	5.1	2.6	0.6	2.7	2.0	2.7	3.3	12.0
<b>Size</b>											
Small	17.7	2.8	3.8	7.8	3.4	1.2	4.3	3.4	3.3	5.4	8.9
Medium	44.1	7.3	11.5	16.7	8.6	4.0	12.3	9.5	8.0	10.3	7.1
Large	18.0	3.2	4.3	5.7	4.7	2.0	5.0	4.1	3.5	3.4	10.1
Don't Know	5.2	1.3	1.1	1.7	1.1	0.4	1.4	1.3	1.1	1.1	16.2
<b>Other Appliances</b>											
<b>Electric</b>											
Air Cleaner	5.4	1.1	1.8	1.4	1.0	0.5	2.1	1.2	0.6	1.0	13.8
Aquarium	4.1	0.9	1.4	1.1	0.8	0.5	1.5	0.8	0.6	0.7	14.9
Dehumidifier	9.1	2.5	5.1	1.2	0.2	2.1	4.3	2.0	0.3	0.3	16.1
Evaporative Cooler	2.7	Q	Q	0.5	2.2	Q	0.3	0.1	0.7	1.5	26.3
Humidifier	13.7	3.0	6.1	2.6	2.0	2.3	5.2	3.4	1.4	1.3	10.6
Microwave Oven	81.3	15.1	20.8	27.8	17.5	7.6	22.9	18.5	14.7	17.6	3.7
Toaster Oven	27.5	7.2	4.5	10.1	5.7	1.6	6.9	7.1	5.4	6.6	7.4
Outdoor Gas Light <sup>2</sup>	0.5	Q	Q	0.3	Q	Q	Q	Q	Q	0.2	36.7
Outdoor Grill	27.5	7.0	7.4	8.5	4.7	3.3	9.1	6.5	3.5	5.2	7.2
Natural Gas	2.8	0.6	0.6	0.9	0.6	Q	0.9	0.4	0.6	0.8	20.0
LPG	24.8	6.4	6.8	7.6	4.0	3.3	8.2	6.1	2.9	4.4	7.9

<sup>1</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>2</sup> Gas includes LPG and natural gas.

<sup>3</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>4</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.16b. Appliances by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
<b>Water Heaters<sup>3</sup></b>	98.9	96.5	100.0	99.0	99.7	96.5	99.1	98.2	99.9	99.3	NE
Electric	38.4	23.0	29.7	57.4	32.0	43.2	28.1	39.2	35.6	51.1	7.6
For One Housing Unit	37.0	22.6	28.2	56.2	29.4	41.0	27.1	38.1	33.3	49.8	7.9
For Two or More Units <sup>4</sup>	1.4	Q	1.5	1.2	2.5	Q	1.0	1.0	2.2	1.2	35.3
Natural Gas	53.0	51.7	65.8	37.6	64.8	43.0	63.2	46.5	61.5	43.9	6.1
For One Housing Unit	45.5	39.3	56.4	35.7	55.0	37.6	53.0	37.6	53.0	41.5	6.7
For Two or More Units <sup>4</sup>	7.5	12.4	9.4	1.9	9.7	5.4	10.3	8.9	8.5	2.4	17.8
Fuel Oil	4.1	19.3	Q	Q	Q	3.7	5.2	10.1	Q	Q	15.1
For One Housing Unit	2.3	10.7	Q	Q	Q	2.6	4.3	3.6	Q	Q	18.3
For Two or More Units <sup>4</sup>	1.9	8.6	Q	Q	Q	Q	0.9	6.5	Q	Q	23.5
LPG	2.9	1.9	4.3	3.0	2.0	6.3	2.4	Q	2.3	3.5	27.0
Other	0.5	0.6	Q	0.4	0.9	Q	Q	Q	Q	0.7	39.6
<b>Water Heater (for one housing unit)</b>											
<b>Age</b>											
Less than 2 Years	11.8	9.6	11.4	13.4	11.7	13.6	11.5	9.5	11.1	14.5	9.0
2 to 4 Years	14.4	12.8	14.3	15.8	13.6	16.3	14.2	12.5	15.1	15.2	7.8
5 to 9 Years	22.2	19.7	21.8	24.2	21.6	18.9	21.8	23.1	21.6	23.6	6.9
10 to 19 Years	20.1	17.0	22.2	20.8	19.7	23.2	19.6	20.1	19.6	20.1	6.4
20 Years or More	7.8	9.0	9.5	6.0	7.6	8.5	9.5	7.5	6.6	6.6	12.4
Don't Know	11.7	6.6	9.8	15.1	13.0	6.8	10.2	8.8	15.1	15.6	10.6
<b>Size</b>											
Small	18.3	14.2	16.2	23.3	16.6	13.9	16.4	15.2	18.5	25.7	6.9
Medium	45.6	37.2	49.5	50.0	42.2	45.5	46.5	42.4	45.0	48.7	4.6
Large	18.6	16.7	18.5	17.0	23.0	23.0	18.7	18.2	19.7	16.0	8.4
Don't Know	5.4	6.5	4.8	5.2	5.5	4.7	5.2	5.7	6.0	5.2	15.3
<b>Other Appliances</b>											
<b>Electric</b>											
Air Cleaner	5.5	5.7	7.8	4.3	4.9	5.5	8.0	5.2	3.4	4.7	12.8
Aquarium	4.3	4.6	5.8	3.2	4.0	5.4	5.7	3.8	3.6	3.1	13.7
Dehumidifier	9.4	13.1	21.7	3.7	1.0	24.4	16.1	8.9	1.9	1.6	13.8
Evaporative Cooler	2.8	Q	Q	1.5	10.6	Q	1.2	0.5	3.7	7.2	26.1
Humidifier	14.1	15.5	26.1	7.7	9.7	27.0	19.7	15.0	7.7	6.3	8.5
Microwave Oven	84.1	77.7	89.4	83.1	86.0	87.4	86.3	82.3	82.8	83.0	1.4
Toaster Oven	28.5	36.8	19.4	30.2	28.2	17.9	26.1	31.7	30.2	31.1	6.4
Outdoor Gas Light <sup>2</sup>	0.6	Q	Q	0.9	Q	Q	Q	Q	Q	Q	32.2
Outdoor Grill	28.5	35.7	31.7	25.5	22.9	38.5	34.2	29.0	19.5	24.3	5.4
Natural Gas	2.9	2.9	2.6	2.8	3.2	Q	3.3	1.9	3.4	3.7	18.9
LPG	25.7	32.8	29.1	22.7	19.8	37.6	31.0	27.1	16.1	20.7	6.2

<sup>1</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>2</sup> Gas includes LPG and natural gas.

<sup>3</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>4</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)



**Table 3.17a. Appliances by Year of Construction,  
Million U.S. Households, 1993**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
		0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	
<b>Total</b> .....	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.3
<b>Air-Conditioner</b> .....	66.1	3.9	3.9	4.7	6.9	12.8	11.0	8.7	3.9	10.3	6.1
Central <sup>2</sup> .....	42.1	3.7	3.5	4.2	5.8	9.1	6.9	4.8	1.5	2.6	7.8
Electric .....	41.9	3.6	3.5	4.1	5.8	9.1	6.8	4.8	1.5	2.6	7.8
Without a Heat Pump .....	30.1	2.5	2.3	2.4	3.9	6.4	5.5	3.7	1.3	2.1	8.7
With a Heat Pump .....	11.9	1.2	1.3	1.7	2.0	2.7	1.3	1.1	0.2	0.4	15.0
Gas <sup>3</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	105.4
Room <sup>2</sup> .....	25.7	0.3	0.4	0.6	1.1	4.0	4.5	4.5	2.5	7.9	11.5
1 Unit .....	17.3	0.3	0.3	0.5	0.7	3.0	3.4	2.7	1.6	4.9	12.6
2 Units .....	6.3	Q	0.1	0.1	0.2	0.9	0.9	1.3	0.6	2.2	18.8
3 or More Units .....	2.2	Q	Q	Q	0.2	Q	0.2	0.5	0.3	0.8	25.3
<b>Clothes Washer</b> .....	74.5	3.8	4.1	4.5	6.6	13.2	10.8	11.3	5.5	14.8	6.0
<b>Clothes Dryer</b> .....	68.8	3.7	4.0	4.4	6.2	12.6	10.2	10.1	4.7	12.9	5.8
Electric .....	54.7	3.2	3.4	3.7	5.2	10.7	7.9	7.0	3.8	9.8	6.5
Natural Gas .....	13.4	0.5	0.6	0.6	0.9	1.8	2.2	3.0	1.0	2.9	14.2
LPG .....	0.7	0.1	Q	Q	Q	Q	Q	Q	Q	0.2	38.1
<b>Dishwasher</b> .....	43.7	3.3	3.4	3.8	5.0	9.2	6.3	5.7	1.9	5.2	7.3
<b>Fans</b> .....	88.4	4.4	4.5	5.2	7.9	16.8	13.9	12.0	6.0	17.6	5.4
Ceiling .....	51.8	3.2	3.2	3.5	4.8	9.9	7.8	6.7	3.5	9.3	6.3
1 .....	22.3	1.3	1.0	1.3	2.0	4.5	3.2	2.7	1.8	4.5	9.1
2 .....	12.0	0.5	0.9	0.8	1.2	2.1	2.0	1.4	0.9	2.2	11.5
3 or more .....	17.6	1.4	1.2	1.4	1.6	3.3	2.7	2.5	0.8	2.6	10.5
Exhaust (attic) .....	9.0	0.2	0.5	0.4	0.9	2.2	1.6	1.5	0.5	1.2	14.4
Exhaust (other) .....	55.8	3.9	3.7	4.2	6.1	12.0	9.2	6.7	2.8	7.3	6.3
Portable .....	50.0	1.3	1.9	2.2	4.4	9.5	8.3	6.7	3.9	11.8	6.6
Whole-House .....	4.1	0.1	0.2	0.2	0.5	1.0	0.7	0.8	0.2	0.5	19.2
Window .....	12.9	0.2	0.5	0.5	0.6	1.9	1.6	1.8	1.4	4.5	12.4
<b>Freezer</b> .....	33.4	1.2	1.7	1.7	2.1	6.4	5.0	5.1	2.8	7.3	7.0
1 .....	29.5	1.1	1.5	1.4	2.0	5.7	4.5	4.6	2.5	6.2	7.1
2 or more .....	3.8	0.1	0.2	0.3	0.2	0.7	0.5	0.5	0.3	1.1	21.8
<b>Defrost Method</b>											
Frost-Free .....	11.2	0.4	0.7	0.8	0.9	2.1	1.6	1.7	0.9	2.2	11.2
Manual .....	22.1	0.8	0.9	1.0	1.3	4.3	3.4	3.4	1.9	5.1	8.9
<b>Type</b>											
Upright .....	16.9	0.7	0.8	1.0	1.1	3.2	2.5	2.6	1.4	3.4	10.1
Chest .....	16.5	0.4	0.9	0.7	1.0	3.2	2.4	2.5	1.4	3.9	10.0
<b>Age</b>											
Less than 2 Years .....	2.1	0.1	0.1	0.1	0.3	0.4	0.3	0.3	Q	0.4	24.7
2 to 4 Years .....	3.4	0.2	0.4	0.2	0.2	0.6	0.5	0.4	0.3	0.7	18.9
5 to 9 Years .....	6.6	0.4	0.4	0.5	0.6	1.2	0.9	0.9	0.6	1.1	14.2
10 to 19 Years .....	12.6	0.3	0.5	0.6	0.9	2.8	1.8	2.0	0.9	2.9	10.8
20 Years or More .....	7.7	0.1	0.2	0.2	0.2	1.2	1.3	1.4	0.9	2.1	14.6
Don't Know .....	0.9	Q	Q	Q	Q	0.2	Q	Q	0.2	0.2	31.1
<b>Size</b>											
Very Small (Less than 11 cf) .....	2.8	0.1	0.2	0.1	0.3	0.6	0.4	0.4	0.2	0.6	20.2
Small (11-14 cf) .....	6.7	0.3	0.4	0.4	0.3	1.2	1.0	1.2	0.6	1.3	15.6
Medium (15-18 cf) .....	12.1	0.4	0.7	0.7	0.7	2.3	1.8	1.7	1.2	2.6	10.9
Large (19-22 cf) .....	9.5	0.3	0.4	0.4	0.7	1.9	1.3	1.5	0.8	2.2	12.7
Very Large (23 or More cf) .....	2.2	Q	Q	Q	Q	0.5	0.5	0.4	Q	0.6	22.8

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,  
Percent of U.S. Households, 1993**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Total</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
<b>Air-Conditioner</b> .....	68.4	87.9	83.3	85.9	81.0	70.7	73.0	66.7	56.6	50.5	2.9
Central <sup>2</sup> .....	43.5	82.3	74.7	75.6	68.9	50.3	45.6	36.8	21.7	12.7	5.1
Electric .....	43.4	81.7	74.7	75.4	68.9	50.3	45.3	36.8	21.7	12.5	5.1
Without a Heat Pump .....	31.1	55.5	48.0	43.7	45.7	35.5	36.9	28.3	18.4	10.4	7.0
With a Heat Pump .....	12.3	26.1	26.6	31.7	23.2	14.8	8.4	8.5	3.4	2.1	13.4
Gas <sup>3</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	92.2
Room <sup>2</sup> .....	26.6	6.1	9.0	11.8	12.6	22.1	29.8	34.1	36.5	38.7	10.0
1 Unit .....	17.9	5.7	6.9	9.2	8.2	16.3	22.7	20.6	22.5	24.3	11.3
2 Units .....	6.5	Q	1.9	2.0	2.4	4.9	5.8	9.8	9.2	10.6	17.7
3 or More Units .....	2.2	Q	Q	Q	2.1	Q	1.4	3.6	4.9	3.8	24.0
<b>Clothes Washer</b> .....	77.1	84.1	87.6	82.3	77.7	72.6	71.9	86.2	79.3	72.6	2.6
<b>Clothes Dryer</b> .....	71.2	83.1	85.5	80.7	72.9	69.2	67.7	77.0	68.6	63.5	3.0
Electric .....	56.6	71.0	72.7	68.1	61.3	59.0	52.6	53.6	54.4	48.0	4.1
Natural Gas .....	13.9	10.7	11.7	11.0	11.2	9.8	14.6	22.9	14.0	14.3	13.1
LPG .....	0.7	1.4	Q	Q	Q	Q	Q	Q	Q	1.2	38.9
<b>Dishwasher</b> .....	45.2	74.3	71.3	68.7	58.9	50.8	42.1	43.6	26.8	25.5	4.6
<b>Fans</b> .....	91.5	97.4	96.1	95.5	93.9	92.7	92.6	91.6	87.0	86.7	1.2
Ceiling .....	53.6	71.8	67.5	64.5	56.8	54.4	52.0	51.1	50.4	45.5	3.8
1 .....	23.0	28.2	21.8	23.6	23.6	24.8	21.3	21.0	25.5	22.0	7.5
2 .....	12.4	11.6	20.0	15.4	14.0	11.4	13.0	10.6	12.9	10.7	10.3
3 or more .....	18.2	32.0	25.7	25.5	19.1	18.2	17.7	19.5	12.0	12.8	9.4
Exhaust (attic) .....	9.3	5.3	11.3	7.6	10.6	12.1	10.7	11.3	6.9	5.9	13.7
Exhaust (other) .....	57.8	86.2	79.2	76.6	71.5	66.3	60.9	51.6	39.9	35.8	3.3
Portable .....	51.8	29.4	41.2	40.8	51.7	52.1	55.3	51.3	56.5	58.1	4.2
Whole-House .....	4.2	2.5	3.4	3.5	5.7	5.3	4.9	5.9	2.3	2.3	19.4
Window .....	13.4	5.6	9.8	8.7	7.2	10.3	10.4	13.8	19.9	22.3	11.5
<b>Freezer</b> .....	34.5	26.0	35.4	31.1	25.4	35.3	33.2	39.3	40.5	36.1	5.7
1 .....	30.5	23.9	32.2	26.3	23.2	31.4	29.9	35.1	36.1	30.6	6.0
2 or more .....	4.0	2.1	3.2	4.8	2.2	4.0	3.2	4.1	4.4	5.4	21.4
<b>Defrost Method</b>											
Frost-Free .....	11.6	8.4	15.8	13.8	10.1	11.5	10.8	13.2	12.4	10.8	10.3
Manual .....	22.9	17.7	19.6	17.3	15.3	23.9	22.4	26.1	28.1	25.3	8.1
<b>Type</b>											
Upright .....	17.4	16.1	17.0	18.5	13.5	17.9	16.9	20.0	19.9	16.8	8.8
Chest .....	17.1	10.0	18.4	12.6	11.9	17.5	16.3	19.2	20.6	19.3	9.6
<b>Age</b>											
Less than 2 Years .....	2.2	3.2	2.7	2.0	3.2	2.3	2.2	2.2	Q	1.8	24.8
2 to 4 Years .....	3.5	3.5	8.4	3.4	2.0	3.4	3.4	2.8	4.0	3.7	18.5
5 to 9 Years .....	6.8	8.7	9.0	9.9	6.7	6.5	6.2	7.2	8.2	5.2	13.4
10 to 19 Years .....	13.0	7.1	9.7	10.8	10.1	15.5	11.9	15.1	12.4	14.4	9.9
20 Years or More .....	8.0	3.1	5.2	4.2	2.6	6.6	8.7	11.1	12.5	10.1	14.3
Don't Know .....	0.9	Q	Q	Q	Q	1.1	Q	Q	2.2	0.9	30.0
<b>Size</b>											
Very Small (Less than 11 cf) .....	2.9	2.0	3.5	2.0	3.5	3.0	2.7	2.8	2.7	3.0	19.8
Small (11-14 cf) .....	6.9	6.5	7.9	7.5	4.1	6.6	6.9	8.8	8.3	6.6	14.9
Medium (15-18 cf) .....	12.6	9.5	14.6	13.3	8.6	12.6	11.9	13.3	17.5	12.5	10.2
Large (19-22 cf) .....	9.9	6.6	8.5	7.6	8.1	10.5	8.7	11.6	11.4	11.0	12.0
Very Large (23 or More cf) .....	2.3	Q	Q	Q	Q	2.6	3.0	2.8	Q	3.0	21.6

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,  
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Heaters (other)</b>											
Hot Tub or Spa .....	2.8	0.2	0.3	0.5	0.4	0.6	0.3	0.3	Q	0.2	21.6
Electric .....	1.9	0.1	0.2	0.4	0.2	0.4	0.2	0.3	Q	Q	24.7
Natural Gas .....	0.7	0.1	0.1	Q	Q	0.2	Q	Q	Q	Q	32.7
LPG/Other .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.2
Portable Space .....	11.8	0.3	0.4	0.6	1.0	1.7	1.8	1.7	0.9	3.4	12.8
Electric .....	9.8	0.3	0.3	0.5	0.9	1.5	1.5	1.5	0.7	2.7	13.8
Kerosene .....	2.3	Q	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.8	29.0
Swimming Pool .....	0.8	Q	Q	Q	0.2	0.2	Q	Q	Q	Q	38.9
Natural Gas .....	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	70.7
Electric/LPG/Other .....	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.9
Waterbed Heaters .....	11.9	0.5	0.8	0.8	1.1	2.7	1.7	1.5	0.7	2.0	11.6
1 .....	9.7	0.4	0.7	0.6	0.9	2.2	1.4	1.3	0.5	1.6	12.1
2 or More .....	2.2	0.1	0.1	0.2	0.2	0.5	0.3	0.2	Q	0.4	24.6
Waterbed Heaters Used All Year .....	9.9	0.4	0.7	0.6	1.0	2.3	1.5	1.3	0.6	1.5	12.3
1 .....	8.2	0.3	0.6	0.5	0.7	2.0	1.3	1.1	0.5	1.3	13.0
2 or More .....	1.7	0.1	0.1	0.2	0.2	0.4	0.2	0.2	Q	0.3	27.8
<b>Office Equipment</b>											
Facsimile Machine .....	23.3	1.5	1.6	1.8	2.5	4.4	3.2	3.1	1.0	4.2	9.4
Laser Printer .....	2.9	0.2	0.2	0.2	0.4	0.5	0.3	0.5	Q	0.5	20.6
Personal Computer .....	5.3	0.3	0.4	0.4	0.6	1.0	0.6	0.9	0.3	0.8	17.1
Photocopier .....	22.6	1.4	1.6	1.8	2.4	4.3	3.2	2.9	0.9	4.0	9.6
Other .....	1.5	Q	0.1	0.1	0.1	0.3	0.2	0.3	Q	0.3	28.2
<b>Oven</b>											
Electric .....	94.3	4.4	4.6	5.4	8.3	17.8	14.7	12.7	6.7	19.7	5.3
Natural Gas .....	59.4	3.3	3.4	3.8	6.0	13.4	10.0	6.9	3.6	9.0	6.6
LPG .....	30.7	0.9	0.9	1.3	2.0	3.4	4.2	5.3	2.9	9.7	10.1
Other .....	4.2	0.2	0.3	0.2	0.3	0.9	0.6	0.4	0.2	1.1	21.9
<b>Pumps (Electric)</b>											
Hot Tub or Spa .....	18.2	0.9	1.1	1.2	1.6	3.7	3.0	2.6	0.9	3.2	10.1
Swimming Pool .....	2.8	0.2	0.3	0.5	0.4	0.6	0.3	0.3	Q	0.2	21.6
Well Water .....	4.6	0.1	0.3	0.2	0.6	1.2	0.8	0.9	0.2	0.4	19.1
Other .....	13.0	0.7	0.7	0.8	1.0	2.7	2.2	1.5	0.7	2.8	12.7
<b>Range</b>											
Electric .....	96.1	4.4	4.7	5.5	8.4	18.1	15.0	13.0	6.9	20.2	5.3
Natural Gas .....	59.3	3.3	3.4	3.8	6.0	13.4	9.9	6.9	3.6	9.0	6.6
LPG .....	32.2	0.9	0.9	1.4	2.1	3.7	4.4	5.7	3.0	10.0	9.8
Other .....	4.6	0.2	0.3	0.3	0.3	1.0	0.7	0.4	0.2	1.1	21.3

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,  
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Heaters (other)</b>											
Hot Tub or Spa .....	2.9	3.6	6.8	8.3	5.2	3.2	1.9	2.5	Q	0.9	21.1
Electric .....	2.0	1.9	5.1	6.6	2.8	2.1	1.1	2.1	Q	Q	24.4
Natural Gas .....	0.7	1.5	1.1	Q	Q	0.9	Q	Q	Q	Q	32.7
LPG/Other .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.9
Portable Space .....	12.2	6.2	8.1	10.9	11.2	9.6	12.1	13.2	12.7	16.7	12.0
Electric .....	10.1	5.8	6.8	9.3	10.3	8.2	9.9	11.1	9.9	13.4	12.8
Kerosene .....	2.4	Q	1.5	1.8	1.2	1.9	2.8	2.4	2.7	3.8	28.9
Swimming Pool .....	0.9	Q	Q	Q	1.9	1.1	Q	Q	Q	Q	36.0
Natural Gas .....	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	61.9
Electric/LPG/Other .....	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.4
Waterbed Heaters .....	12.3	11.9	17.0	13.9	13.2	15.1	11.5	11.7	9.7	9.8	10.6
1 .....	10.0	9.2	14.4	11.0	10.4	12.3	9.5	10.1	7.7	7.8	11.3
2 or More .....	2.3	2.7	2.6	2.9	2.7	2.9	2.0	1.6	Q	2.0	24.0
Waterbed Heaters Used All Year .....	10.3	9.7	14.4	11.8	11.3	12.9	9.8	9.9	8.4	7.5	11.5
1 .....	8.5	7.2	12.2	9.0	8.8	10.9	8.4	8.5	6.7	6.2	12.4
2 or More .....	1.8	2.5	2.1	2.8	2.6	2.0	1.4	1.3	Q	1.4	27.2
<b>Office Equipment</b>											
Facsimile Machine .....	24.2	33.0	34.6	33.2	29.7	24.3	21.5	23.8	14.4	20.4	7.4
Laser Printer .....	3.0	4.3	5.2	4.0	4.9	2.5	2.0	4.2	Q	2.3	19.8
Personal Computer .....	5.5	6.7	8.1	8.2	7.4	5.3	4.2	6.9	4.0	3.9	16.2
Photocopier .....	23.3	32.0	34.0	32.5	28.8	23.7	21.0	22.3	13.6	19.6	7.6
Other .....	1.6	Q	2.5	2.3	1.7	1.6	1.0	2.1	Q	1.5	27.6
<b>Oven</b>											
Electric .....	97.6	97.7	98.0	98.0	97.8	98.0	98.0	97.1	97.7	96.9	NE
Natural Gas .....	61.5	74.0	72.5	69.6	71.4	74.1	66.2	52.9	51.7	44.1	4.1
LPG .....	31.8	19.1	19.2	24.5	23.6	18.9	27.8	40.9	42.7	47.7	8.6
Other .....	4.3	4.7	6.3	3.9	3.1	5.2	4.0	3.0	3.3	5.2	22.0
<b>Pumps (Electric)</b>											
Hot Tub or Spa .....	18.8	19.1	22.9	22.7	19.4	20.6	20.0	19.9	12.7	15.6	9.6
Swimming Pool .....	2.9	3.6	6.8	8.3	5.2	3.2	1.9	2.5	Q	0.9	21.1
Well Water .....	4.8	1.3	5.7	3.5	6.6	6.7	5.1	7.1	2.7	2.1	19.1
Other .....	13.4	15.3	14.0	14.4	11.8	14.8	14.8	11.5	9.6	13.5	12.4
<b>Range</b>											
Electric .....	99.4	99.2	99.4	100.0	99.1	99.5	99.8	99.4	99.4	99.3	NE
Natural Gas .....	61.4	73.3	73.2	69.1	70.6	73.9	66.0	52.6	52.3	44.4	4.2
LPG .....	33.3	20.9	19.9	25.9	25.0	20.2	29.4	43.3	43.6	49.2	8.3
Other .....	4.7	4.9	6.3	5.0	3.5	5.7	4.4	3.2	3.5	5.6	21.3

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,  
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Refrigerators</b> .....	96.5	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.3	5.3
1 .....	82.1	4.1	4.1	4.8	7.4	15.6	12.4	10.6	5.7	17.5	5.7
2 or More .....	14.4	0.4	0.6	0.7	1.1	2.5	2.6	2.4	1.2	2.8	11.1
<b>Defrost Method</b>											
Frost-Free .....	81.8	4.3	4.3	5.0	7.3	15.2	12.6	11.4	5.7	15.9	5.7
Manual .....	14.7	0.2	0.4	0.4	1.1	2.9	2.4	1.7	1.1	4.4	11.8
<b>Type</b>											
2-Doors (top and bottom) .....	71.3	3.2	3.5	4.4	6.4	13.6	11.1	9.2	4.9	15.0	6.0
2-Doors (side-by-side) .....	16.6	1.2	1.1	0.9	1.7	3.1	2.6	2.6	1.1	2.4	10.1
Regular (single door) .....	7.9	Q	0.2	0.2	0.4	1.2	1.2	1.2	0.9	2.6	16.0
Half-Size/Other .....	0.8	Q	Q	Q	Q	0.2	Q	Q	Q	0.2	41.7
<b>Age</b>											
Less than 2 Years .....	11.9	2.2	0.3	0.5	0.9	2.1	1.8	1.4	0.8	1.9	12.6
2 to 4 Years .....	16.2	1.2	1.8	0.5	1.0	2.6	3.0	2.1	1.2	2.9	10.2
5 to 9 Years .....	28.1	0.5	2.1	3.5	2.1	4.5	4.1	3.8	1.6	5.9	8.4
10 to 19 Years .....	24.9	0.3	0.3	0.5	3.5	5.4	3.5	3.8	2.1	5.5	9.5
20 Years or More .....	7.0	Q	Q	Q	0.2	1.4	1.3	1.0	0.6	2.4	15.6
Don't Know .....	8.3	0.2	0.3	0.4	0.8	2.0	1.4	1.0	0.4	1.7	16.0
<b>Size</b>											
Very Small (Less than 11 cf) .....	1.3	Q	Q	Q	Q	0.2	0.3	Q	Q	0.5	33.6
Small (11-14 cf) .....	8.9	0.3	0.2	0.4	0.7	1.4	1.4	1.1	0.8	2.6	15.7
Medium (15-18 cf) .....	52.4	2.4	2.7	3.2	4.7	10.0	8.5	6.6	3.5	10.9	6.2
Large (19-22 cf) .....	30.0	1.5	1.5	1.7	2.7	5.8	4.1	4.8	2.3	5.7	7.8
Very Large (23 or More cf) .....	3.9	0.3	0.3	0.2	0.4	0.7	0.6	0.5	0.2	0.6	21.2
<b>Through-the-Door Ice Service</b>											
Yes .....	10.1	0.9	0.8	0.7	1.2	1.9	1.4	1.4	0.5	1.2	12.6
No .....	86.3	3.5	3.9	4.8	7.2	16.2	13.6	11.7	6.4	19.1	5.6
<b>Television Sets</b> .....	95.4	4.4	4.7	5.5	8.4	18.1	14.8	12.9	6.8	19.9	5.3
Color .....	94.4	4.4	4.7	5.4	8.3	18.0	14.5	12.8	6.8	19.5	5.3
1 .....	39.2	1.6	1.4	1.9	3.4	7.5	6.2	4.5	2.8	9.7	7.2
2 .....	35.2	1.8	1.9	2.1	3.0	6.7	5.2	4.9	2.5	7.0	7.5
3 .....	14.3	0.7	0.9	1.0	1.2	2.5	2.4	2.4	1.1	2.1	10.6
4 .....	4.2	0.2	0.3	0.5	0.5	0.8	0.5	0.6	0.2	0.6	17.0
5 or More .....	1.5	Q	0.1	0.1	0.2	0.4	0.2	0.4	Q	Q	27.8
Black/White .....	19.0	0.6	0.9	0.8	1.8	3.1	3.1	2.8	1.5	4.3	9.3
1 .....	16.9	0.6	0.8	0.8	1.6	2.8	2.8	2.5	1.3	3.7	9.6
2 or More .....	2.1	Q	0.1	(*)	0.2	0.3	0.4	0.3	0.2	0.5	27.1

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,  
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
		0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	
<b>Refrigerators</b> .....	99.8	100.0	100.0	100.0	100.0	99.8	99.8	100.0	99.5	99.6	NE
1 .....	85.0	91.9	86.9	87.2	87.0	85.8	82.3	81.3	82.5	85.9	1.8
2 or More .....	14.9	8.1	13.1	12.8	13.0	14.0	17.5	18.7	17.0	13.7	10.6
<b>Defrost Method</b>											
Frost-Free .....	84.6	96.0	91.8	91.9	86.5	83.7	83.6	87.2	83.2	78.1	1.6
Manual .....	15.2	4.0	8.2	8.1	13.5	16.2	16.2	12.8	16.3	21.5	11.3
<b>Type</b>											
2-Doors (top and bottom) .....	73.7	70.8	73.3	79.7	75.2	75.1	74.1	70.7	70.5	73.9	2.5
2-Doors (side-by-side) .....	17.1	27.1	22.3	16.5	19.6	17.0	17.4	19.8	15.7	11.7	8.8
Regular (single door) .....	8.2	Q	3.7	2.8	4.6	6.7	7.9	9.4	12.5	12.9	15.5
Half-Size/Other .....	0.8	Q	Q	Q	Q	1.1	Q	Q	Q	1.2	39.2
<b>Age</b>											
Less than 2 Years .....	12.3	49.8	5.6	10.0	10.7	11.4	11.7	10.5	12.1	9.2	11.0
2 to 4 Years .....	16.8	27.4	37.9	8.5	11.6	14.3	19.7	16.3	17.2	14.1	9.0
5 to 9 Years .....	29.1	11.0	44.2	64.5	25.0	24.9	27.1	28.8	23.8	29.0	6.4
10 to 19 Years .....	25.8	6.2	6.2	8.5	41.3	30.0	23.0	29.1	30.9	27.0	8.0
20 Years or More .....	7.3	Q	Q	Q	2.1	7.9	8.7	7.3	9.3	11.9	14.4
Don't Know .....	8.6	4.6	5.4	7.9	9.3	11.3	9.6	8.0	6.3	8.3	15.7
<b>Size</b>											
Very Small (Less than 11 cf) .....	1.3	Q	Q	Q	Q	1.2	1.9	Q	Q	2.5	31.1
Small (11-14 cf) .....	9.2	5.8	5.1	7.9	8.8	7.7	9.6	8.1	11.0	12.5	14.8
Medium (15-18 cf) .....	54.3	53.4	57.2	57.7	55.0	55.0	56.6	50.7	51.3	53.4	3.9
Large (19-22 cf) .....	31.0	32.6	31.0	30.2	31.6	31.8	27.6	36.4	33.3	28.2	6.1
Very Large (23 or More cf) .....	4.0	7.8	6.5	3.6	4.3	4.1	4.0	4.2	2.9	2.9	20.6
<b>Through-the-Door Ice Service</b>											
Yes .....	10.5	21.0	17.7	13.3	14.8	10.4	9.3	10.5	7.4	6.0	11.7
No .....	89.3	79.0	82.3	86.7	85.2	89.4	90.5	89.5	92.1	93.6	1.6
<b>Television Sets</b> .....	98.8	99.0	99.4	99.7	99.0	99.6	98.2	99.0	98.8	97.7	NE
Color .....	97.7	98.5	99.0	98.8	98.3	99.0	96.8	97.8	98.0	96.0	NE
1 .....	40.5	35.5	30.5	33.7	40.7	41.6	41.4	34.8	41.0	47.7	5.5
2 .....	36.4	41.4	39.6	37.5	36.0	37.1	34.5	37.4	36.8	34.5	5.3
3 .....	14.8	15.5	19.8	17.7	14.3	13.8	16.0	18.2	16.4	10.2	9.3
4 .....	4.3	5.0	6.0	8.3	5.5	4.5	3.5	4.5	2.8	3.0	16.7
5 or More .....	1.6	Q	3.1	1.5	1.8	2.0	1.4	2.8	Q	Q	27.2
Black/White .....	19.6	14.2	19.5	15.3	21.0	17.1	20.8	21.3	22.0	20.9	8.0
1 .....	17.5	13.4	16.9	14.5	18.6	15.5	18.5	19.3	18.7	18.2	8.4
2 or More .....	2.2	Q	2.5	0.9	2.4	1.6	2.3	2.0	3.2	2.7	26.4

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,  
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Water Heaters<sup>4</sup></b>	95.5	4.5	4.7	5.5	8.5	17.9	14.8	12.9	6.9	19.9	5.3
Electric	37.1	2.1	2.7	2.9	4.5	9.3	4.9	3.6	2.0	5.2	8.6
For One Housing Unit	35.8	2.1	2.6	2.7	4.4	8.9	4.6	3.4	2.0	4.9	8.7
For Two or More Units <sup>5</sup>	1.3	Q	Q	Q	Q	0.3	0.3	Q	Q	0.3	44.2
Natural Gas	51.2	2.1	1.8	2.3	3.7	7.5	9.0	8.3	4.2	12.3	8.0
For One Housing Unit	44.0	2.0	1.7	2.2	3.3	5.9	7.3	7.8	3.4	10.4	8.7
For Two or More Units <sup>5</sup>	7.2	Q	0.1	Q	0.3	1.6	1.7	0.5	0.8	2.0	20.1
Fuel Oil	4.0	0.1	0.1	0.1	0.1	0.5	0.5	0.8	0.4	1.5	22.5
For One Housing Unit	2.2	0.1	0.1	0.1	Q	0.3	0.3	0.5	0.2	0.6	23.8
For Two or More Units <sup>5</sup>	1.8	Q	Q	Q	Q	Q	0.2	0.3	0.2	0.9	33.2
LPG	2.8	0.2	0.1	0.2	0.2	0.5	0.4	0.3	0.2	0.8	24.4
Other	0.4	Q	Q	Q	Q	0.2	Q	Q	Q	Q	51.5
<b>Water Heater (for one housing unit)</b>											
<b>Age</b>											
Less than 2 Years	11.4	2.6	0.1	0.4	0.7	1.6	1.8	1.6	0.7	1.9	13.9
2 to 4 Years	13.9	1.5	2.0	0.2	0.9	2.1	1.8	1.9	0.8	2.7	11.6
5 to 9 Years	21.4	Q	2.1	4.0	1.4	2.5	2.8	3.2	1.6	3.8	9.1
10 to 19 Years	19.5	Q	Q	0.1	3.8	5.6	2.3	2.3	1.3	4.0	10.1
20 Years or More	7.5	Q	Q	Q	0.2	1.5	2.0	1.2	0.6	2.0	17.5
Don't Know	11.3	0.2	0.3	0.5	0.9	2.5	1.9	1.8	0.8	2.3	14.2
<b>Size</b>											
Small	17.7	0.6	0.7	1.0	1.5	3.6	2.4	2.6	1.4	4.0	10.2
Medium	44.1	2.4	2.6	2.8	4.4	7.7	7.2	6.1	2.9	7.9	7.3
Large	18.0	1.0	1.1	1.2	1.5	3.6	2.3	2.5	1.2	3.6	10.5
Don't Know	5.2	0.3	0.2	0.3	0.6	1.0	0.7	0.8	0.3	1.2	18.7
<b>Other Appliances</b>											
<b>Electric</b>											
Air Cleaner	5.4	0.3	0.4	0.2	0.5	1.2	1.0	0.6	0.3	0.8	17.2
Aquarium	4.1	0.2	0.2	0.2	0.4	0.8	0.7	0.6	0.2	0.9	19.3
Dehumidifier	9.1	0.3	0.4	0.4	0.5	1.4	1.8	1.4	0.7	2.0	15.8
Evaporative Cooler	2.7	Q	Q	0.1	0.3	0.6	0.5	0.7	0.2	0.2	27.0
Humidifier	13.7	0.6	0.7	0.8	1.3	2.3	2.2	1.9	0.8	2.9	10.8
Microwave Oven	81.3	4.1	4.3	4.9	7.5	15.8	12.7	10.9	5.5	15.6	5.6
Toaster Oven	27.5	1.1	1.3	1.7	3.0	5.2	4.1	3.9	2.0	5.3	8.4
Outdoor Gas Light <sup>3</sup>	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.7
Outdoor Grill	27.5	1.8	1.9	2.0	2.6	5.1	4.1	4.0	1.5	4.5	8.5
Natural Gas	2.8	0.1	0.1	0.1	0.2	0.5	0.6	0.7	Q	0.2	24.3
LPG	24.8	1.6	1.8	1.9	2.4	4.7	3.5	3.4	1.4	4.2	8.9

<sup>1</sup> Does not include all new construction for 1993.

<sup>2</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>3</sup> Gas includes LPG and natural gas.

<sup>4</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>5</sup> An unknown number may be heated by the space-heating system.

(\*) = Value rounds to zero in the units displayed.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.17b. Appliances by Year of Construction, Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 <sup>1</sup>	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
<b>Water Heaters<sup>4</sup></b>	98.9	99.7	99.3	99.6	99.9	98.8	98.8	98.8	99.4	97.9	NE
Electric	38.4	47.4	56.4	52.4	53.2	51.0	32.7	27.3	29.6	25.6	6.8
For One Housing Unit	37.0	47.0	55.7	50.0	52.1	49.2	30.6	26.4	29.2	24.1	6.9
For Two or More Units <sup>5</sup>	1.4	Q	Q	Q	Q	1.8	2.1	Q	Q	1.5	41.8
Natural Gas	53.0	46.4	37.9	42.7	43.1	41.5	59.8	63.2	61.0	60.6	5.9
For One Housing Unit	45.5	43.8	35.8	40.6	39.2	32.7	48.7	59.4	49.6	50.9	6.7
For Two or More Units <sup>5</sup>	7.5	Q	2.1	Q	3.9	8.9	11.1	3.8	11.4	9.8	19.2
Fuel Oil	4.1	1.9	1.9	1.2	1.0	2.9	3.4	5.8	5.8	7.2	22.1
For One Housing Unit	2.3	1.4	1.6	1.2	Q	1.8	2.0	3.6	2.9	3.0	23.8
For Two or More Units <sup>5</sup>	1.9	Q	Q	Q	Q	Q	1.3	2.2	2.9	4.2	31.2
LPG	2.9	3.9	3.1	2.9	2.3	2.5	2.4	2.2	2.4	4.1	24.6
Other	0.5	Q	Q	Q	Q	0.9	Q	Q	Q	Q	46.9
<b>Water Heater (for one housing unit)</b>											
<b>Age</b>											
Less than 2 Years	11.8	58.9	2.5	7.5	8.7	8.7	11.8	12.0	9.7	9.4	12.4
2 to 4 Years	14.4	32.6	42.2	4.0	11.2	11.5	12.3	14.2	12.0	13.2	10.3
5 to 9 Years	22.2	Q	44.8	71.9	16.7	13.8	18.8	24.8	22.7	18.8	7.0
10 to 19 Years	20.1	Q	Q	2.1	44.7	30.6	15.3	17.9	19.2	19.7	8.8
20 Years or More	7.8	Q	Q	Q	2.0	8.4	13.2	9.0	9.3	9.6	15.8
Don't Know	11.7	4.6	5.4	9.2	11.2	13.9	12.9	13.8	11.5	11.3	13.6
<b>Size</b>											
Small	18.3	12.5	15.3	17.6	17.7	19.8	16.2	19.6	20.2	19.5	8.9
Medium	45.6	54.1	54.5	50.3	52.5	42.2	48.2	47.0	42.6	39.0	5.1
Large	18.6	22.6	22.9	22.6	17.6	19.6	15.0	19.4	17.6	17.6	9.5
Don't Know	5.4	7.0	3.5	4.6	6.6	5.3	4.9	5.9	4.3	5.7	18.1
<b>Other Appliances</b>											
<b>Electric</b>											
Air Cleaner	5.5	5.8	9.3	3.8	6.4	6.4	6.7	4.6	4.6	4.0	16.7
Aquarium	4.3	3.6	5.0	4.0	4.3	4.1	4.5	4.8	2.6	4.5	18.6
Dehumidifier	9.4	6.8	8.4	7.3	6.2	7.8	12.2	10.9	10.7	9.9	15.2
Evaporative Cooler	2.8	Q	Q	2.3	3.0	3.6	3.1	5.3	2.6	1.0	26.5
Humidifier	14.1	14.2	14.9	15.2	15.3	12.8	14.9	14.5	11.3	14.5	9.6
Microwave Oven	84.1	91.7	92.3	88.4	88.1	87.1	84.4	83.3	80.1	76.8	1.6
Toaster Oven	28.5	24.9	26.8	31.0	35.1	28.6	27.3	29.9	28.6	26.1	6.7
Outdoor Gas Light <sup>3</sup>	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	42.6
Outdoor Grill	28.5	39.7	40.7	35.8	31.1	28.3	27.4	30.7	22.2	21.9	6.7
Natural Gas	2.9	3.1	1.9	1.9	2.6	2.7	4.3	5.0	Q	1.2	24.0
LPG	25.7	36.7	38.8	33.9	28.5	25.6	23.1	25.7	19.6	20.7	7.2

<sup>1</sup> Does not include all new construction for 1993.

<sup>2</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>3</sup> Gas includes LPG and natural gas.

<sup>4</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>5</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)



**Table 3.18a. Appliances by Type and Ownership of Housing Unit,  
Million U.S. Households, 1993**

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units			Five or More Units						
					Total	Own	Rent	Total	Own	Rent	Total	Own	Rent	
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
<b>Total</b> .....	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
<b>Air-Conditioner</b> .....	66.1	46.5	40.2	6.3	4.1	0.9	3.1	11.6	1.3	10.3	3.9	3.2	0.7	7.4
Central <sup>1</sup> .....	42.1	31.1	27.6	3.5	1.4	0.3	1.1	7.2	0.8	6.3	2.4	2.1	0.3	11.2
Electric .....	41.9	31.0	27.6	3.5	1.4	0.3	1.1	7.2	0.8	6.3	2.4	2.1	0.3	11.2
Without a Heat Pump .....	30.1	22.2	19.7	2.5	1.0	0.2	0.8	4.7	0.4	4.4	2.1	1.9	0.2	11.9
With a Heat Pump .....	11.9	8.8	7.8	1.0	0.4	Q	0.3	2.4	Q	2.0	0.2	0.2	Q	21.1
Gas <sup>2</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	130.1
Room <sup>1</sup> .....	25.7	16.9	14.0	2.9	2.7	0.6	2.1	4.5	0.5	4.0	1.6	1.2	0.4	10.2
1 Unit .....	17.3	10.4	8.4	2.1	2.0	0.4	1.6	3.6	0.4	3.3	1.3	0.9	0.4	11.9
2 Units .....	6.3	4.7	3.9	0.7	0.6	0.2	0.4	0.7	Q	0.6	0.3	0.2	Q	20.2
3 or More Units .....	2.2	1.8	1.6	0.1	Q	Q	Q	0.2	Q	Q	Q	Q	Q	37.9
<b>Clothes Washer</b> .....	74.5	62.4	53.6	8.8	3.9	1.2	2.7	3.5	0.8	2.7	4.7	3.9	0.8	7.6
<b>Clothes Dryer</b> .....	68.8	58.7	51.3	7.4	3.1	0.9	2.2	2.9	0.8	2.0	4.2	3.6	0.6	8.1
Electric .....	54.7	46.1	39.9	6.2	2.3	0.6	1.7	2.5	0.7	1.8	3.8	3.2	0.6	9.4
Natural Gas .....	13.4	12.0	10.9	1.1	0.8	0.3	0.5	0.4	Q	0.3	0.3	0.3	Q	20.1
LPG .....	0.7	0.6	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	70.1
<b>Dishwasher</b> .....	43.7	35.0	31.7	3.3	1.8	0.5	1.4	5.9	1.1	4.8	1.0	0.9	Q	10.0
<b>Fans</b> .....	88.4	62.5	52.7	9.8	6.9	1.4	5.6	13.7	1.3	12.4	5.3	4.2	1.0	6.1
Ceiling .....	51.8	41.3	36.9	4.4	2.9	0.9	2.0	4.6	0.8	3.8	3.0	2.7	0.4	8.3
1 .....	22.3	15.6	13.4	2.1	1.9	0.4	1.5	3.3	0.4	2.9	1.6	1.4	0.2	10.5
2 .....	12.0	9.7	8.6	1.0	0.6	0.3	0.4	0.8	0.2	0.6	0.8	0.7	Q	13.8
3 or more .....	17.6	16.1	14.8	1.3	0.4	0.2	0.2	0.5	Q	0.3	0.6	0.6	Q	17.3
Exhaust (attic) .....	9.0	8.6	8.0	0.5	0.2	Q	0.2	Q	Q	Q	0.1	0.1	Q	23.9
Exhaust (other) .....	55.8	40.6	36.0	4.5	3.2	0.7	2.5	8.4	0.8	7.6	3.7	3.0	0.7	7.8
Portable .....	50.0	33.9	27.4	6.5	4.3	0.7	3.6	8.5	0.7	7.8	3.3	2.6	0.7	7.2
Whole-House .....	4.1	3.9	3.6	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	24.0
Window .....	12.9	9.1	7.1	2.0	1.7	0.3	1.4	1.3	Q	1.2	0.8	0.6	0.1	13.4
<b>Freezer</b> .....	33.4	29.4	26.9	2.5	1.0	0.3	0.7	1.1	0.2	1.0	1.9	1.6	0.3	10.5
1 .....	29.5	25.8	23.6	2.2	0.9	0.3	0.6	1.1	Q	0.9	1.7	1.5	0.2	10.7
2 or more .....	3.8	3.5	3.2	0.3	Q	Q	Q	Q	Q	Q	0.2	0.1	Q	26.9
<b>Defrost Method</b>														
Frost-Free .....	11.2	9.9	8.9	0.9	0.3	Q	0.2	0.4	Q	0.4	0.6	0.6	Q	17.9
Manual .....	22.1	19.5	17.9	1.5	0.7	0.2	0.5	0.7	Q	0.6	1.3	1.0	0.3	12.0
<b>Type</b>														
Upright .....	16.9	15.2	14.2	0.9	0.5	0.2	0.3	0.4	Q	0.4	0.8	0.7	Q	15.0
Chest .....	16.5	14.2	12.6	1.6	0.5	0.2	0.3	0.7	Q	0.6	1.1	0.9	0.2	13.8
<b>Age</b>														
Less than 2 Years .....	2.1	1.5	1.4	0.1	0.2	Q	0.2	0.3	Q	0.2	0.1	Q	Q	30.9
2 to 4 Years .....	3.4	2.7	2.4	0.3	0.2	Q	0.2	0.3	Q	0.2	0.3	0.3	Q	21.5
5 to 9 Years .....	6.6	5.6	5.0	0.6	0.2	Q	0.1	0.2	Q	0.2	0.6	0.5	Q	20.6
10 to 19 Years .....	12.6	11.6	10.6	1.0	0.2	Q	0.2	0.3	Q	0.3	0.5	0.4	Q	17.0
20 Years or More .....	7.7	7.3	6.9	0.4	Q	Q	Q	Q	Q	Q	0.3	0.2	Q	18.4
Don't Know .....	0.9	0.7	0.6	0.1	Q	Q	Q	Q	Q	Q	0.2	0.1	Q	38.4
<b>Size</b>														
Very Small (Less than 11 cf) .....	2.8	2.1	1.8	0.2	0.2	Q	Q	0.3	Q	0.2	0.3	0.2	Q	25.6
Small (11-14 cf) .....	6.7	5.3	4.8	0.5	0.4	Q	0.3	0.5	Q	0.4	0.6	0.4	Q	18.6
Medium (15-18 cf) .....	12.1	11.2	10.3	0.9	0.2	Q	0.1	0.3	Q	0.2	0.5	0.5	Q	17.7
Large (19-22 cf) .....	9.5	8.8	8.1	0.7	0.2	Q	Q	Q	Q	Q	0.4	0.4	Q	17.3
Very Large (23 or More cf) .....	2.2	2.0	1.8	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.1

See footnotes at end of table.

**Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent	
					Total	Own	Rent	Total	Own	Rent					
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1		
<b>Total</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
<b>Air-Conditioner</b> .....	68.4	69.6	72.1	57.4	50.9	63.5	48.0	71.5	86.0	70.0	69.9	73.1	57.9	4.3	
Central <sup>1</sup> .....	43.5	46.6	49.6	31.5	17.0	20.4	16.3	44.3	54.6	43.2	42.8	48.4	21.9	9.1	
Electric .....	43.4	46.5	49.4	31.5	17.0	20.4	16.3	44.0	53.7	43.0	42.8	48.4	21.9	9.1	
Without a Heat Pump .....	31.1	33.3	35.4	22.6	12.5	13.2	12.3	29.0	22.7	29.7	38.5	43.6	19.5	10.8	
With a Heat Pump .....	12.3	13.2	14.0	8.9	4.5	Q	4.0	15.0	31.0	13.3	4.3	4.8	Q	19.5	
Gas <sup>2</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	114.9	
Room <sup>1</sup> .....	26.6	25.3	25.1	26.6	34.0	43.2	31.9	27.8	35.3	27.0	28.8	26.6	37.4	8.8	
1 Unit .....	17.9	15.6	15.0	18.6	24.6	26.2	24.2	22.2	22.8	22.1	23.7	21.1	33.7	10.5	
2 Units .....	6.5	7.0	7.1	6.7	8.0	13.3	6.7	4.3	Q	4.1	4.5	4.7	Q	19.8	
3 or More Units .....	2.2	2.7	3.0	1.3	Q	Q	Q	1.3	Q	Q	Q	Q	Q	34.9	
<b>Clothes Washer</b> .....	77.1	93.4	96.2	79.4	48.4	78.8	41.5	21.6	53.8	18.2	83.9	88.5	67.0	4.5	
<b>Clothes Dryer</b> .....	71.2	87.8	91.9	67.0	38.6	58.5	34.1	17.5	54.2	13.7	74.8	81.2	50.8	5.4	
Electric .....	56.6	69.0	71.6	56.1	28.6	38.8	26.3	15.2	45.8	12.0	67.7	73.0	47.9	6.5	
Natural Gas .....	13.9	17.9	19.5	10.1	9.9	19.1	7.8	2.3	Q	1.7	5.1	6.0	Q	18.7	
LPG .....	0.7	0.9	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	62.7	
<b>Dishwasher</b> .....	45.2	52.4	56.9	29.6	22.6	30.7	20.8	36.4	73.4	32.5	18.0	21.0	Q	7.3	
<b>Fans</b> .....	91.5	93.6	94.5	88.6	86.8	92.0	85.6	84.5	85.1	84.4	94.2	96.1	87.1	1.6	
Ceiling .....	53.6	61.8	66.2	40.0	36.1	60.5	30.6	28.3	51.8	25.8	54.5	61.1	29.8	5.7	
1 .....	23.0	23.3	24.0	19.4	23.2	27.0	22.4	20.2	24.9	19.8	28.2	31.4	16.2	8.5	
2 .....	12.4	14.5	15.5	9.2	7.9	18.0	5.6	5.2	14.8	4.2	14.8	16.5	Q	12.1	
3 or more .....	18.2	24.1	26.6	11.4	5.0	15.5	2.6	2.8	12.2	1.8	11.5	13.2	Q	16.4	
Exhaust (attic) .....	9.3	12.8	14.4	4.8	3.0	Q	2.3	Q	Q	Q	2.4	3.0	Q	23.0	
Exhaust (other) .....	57.8	60.7	64.6	41.2	39.8	48.2	37.9	51.6	49.3	51.8	66.0	68.7	55.8	5.1	
Portable .....	51.8	50.8	49.2	58.9	53.8	48.2	55.0	52.1	43.2	53.0	59.9	59.1	62.8	4.5	
Whole-House .....	4.2	5.8	6.5	2.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	21.7	
Window .....	13.4	13.7	12.7	18.4	21.3	17.3	22.2	8.0	Q	8.4	14.1	14.6	12.2	11.9	
<b>Freezer</b> .....	34.5	43.9	48.2	22.4	12.4	22.2	10.1	6.9	9.7	6.6	33.8	36.4	24.3	9.4	
1 .....	30.5	38.6	42.4	19.6	11.5	18.7	9.9	6.5	Q	6.4	30.7	33.3	21.0	9.2	
2 or more .....	4.0	5.3	5.8	2.8	Q	Q	Q	Q	Q	Q	3.1	3.1	Q	26.7	
<b>Defrost Method</b>															
Frost-Free .....	11.6	14.8	16.0	8.5	3.7	Q	2.9	2.5	Q	2.6	11.3	13.7	Q	16.9	
Manual .....	22.9	29.2	32.2	14.0	8.6	14.8	7.2	4.4	Q	4.0	22.5	22.7	21.9	11.1	
<b>Type</b>															
Upright .....	17.4	22.7	25.5	8.4	6.1	11.4	4.9	2.6	Q	2.4	13.8	15.4	Q	14.0	
Chest .....	17.1	21.2	22.7	14.1	6.3	10.7	5.3	4.3	Q	4.2	20.0	21.0	16.2	12.9	
<b>Age</b>															
Less than 2 Years .....	2.2	2.3	2.5	1.2	2.7	Q	2.3	1.7	Q	1.6	1.8	Q	Q	29.5	
2 to 4 Years .....	3.5	4.0	4.3	2.7	2.5	Q	2.6	1.6	Q	1.4	5.2	5.7	Q	20.6	
5 to 9 Years .....	6.8	8.4	9.0	5.2	3.0	Q	2.3	1.2	Q	1.1	10.6	11.2	Q	20.0	
10 to 19 Years .....	13.0	17.3	19.0	8.7	3.1	Q	2.6	1.9	Q	2.1	8.1	9.1	Q	16.3	
20 Years or More .....	8.0	10.9	12.4	3.5	Q	Q	Q	Q	Q	Q	5.2	5.3	Q	17.7	
Don't Know .....	0.9	1.0	1.0	1.1	Q	Q	Q	Q	Q	Q	2.9	2.9	Q	37.4	
<b>Size</b>															
Very Small (Less than 11 cf) .....	2.9	3.1	3.3	2.3	2.0	Q	Q	1.8	Q	1.6	4.5	5.2	Q	24.7	
Small (11-14 cf) .....	6.9	7.9	8.5	4.8	5.0	Q	4.5	2.8	Q	2.9	10.3	9.7	Q	17.5	
Medium (15-18 cf) .....	12.6	16.7	18.5	7.7	2.5	Q	1.9	1.6	Q	1.5	9.5	10.4	Q	16.6	
Large (19-22 cf) .....	9.9	13.2	14.6	6.1	2.3	Q	Q	Q	Q	Q	7.7	8.7	Q	16.9	
Very Large (23 or More cf) .....	2.3	3.0	3.3	1.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.0	

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,  
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
<b>Heaters (other)</b>														
Hot Tub or Spa .....	2.8	2.8	2.6	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.1
Electric .....	1.9	1.9	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.9
Natural Gas .....	0.7	0.7	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.3
LPG/Other .....	0.2	0.2	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.2
Portable Space .....	11.8	9.2	7.8	1.4	0.8	0.2	0.5	0.9	Q	0.9	0.9	0.6	0.3	14.5
Electric .....	9.8	7.6	6.5	1.1	0.6	0.2	0.4	0.9	Q	0.9	0.7	0.4	0.2	15.1
Kerosene .....	2.3	1.9	1.6	0.3	Q	Q	Q	Q	Q	Q	0.3	0.1	Q	36.6
Swimming Pool .....	0.8	0.8	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.8
Natural Gas .....	0.5	0.5	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	79.1
Electric/LPG/Other .....	0.4	0.4	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	77.0
Waterbed Heaters .....	11.9	9.5	8.0	1.5	0.6	Q	0.5	0.8	Q	0.7	0.9	0.8	0.2	13.6
1 .....	9.7	7.6	6.4	1.2	0.5	Q	0.4	0.8	Q	0.7	0.8	0.6	0.2	14.2
2 or More .....	2.2	1.9	1.6	0.3	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	30.9
Waterbed Heaters Used All Year .....	9.9	7.9	6.6	1.3	0.5	Q	0.4	0.7	Q	0.7	0.7	0.6	Q	14.7
1 .....	8.2	6.4	5.4	1.0	0.4	Q	0.3	0.7	Q	0.6	0.6	0.5	Q	15.4
2 or More .....	1.7	1.5	1.2	0.3	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	34.2
<b>Office Equipment</b>														
Facsimile Machine .....	23.3	18.1	16.1	2.0	1.3	0.4	1.0	3.3	0.5	2.8	0.6	0.5	Q	11.5
Facsimile Machine .....	2.9	2.2	1.9	0.3	Q	Q	Q	0.5	Q	0.4	Q	Q	Q	25.1
Laser Printer .....	5.3	4.2	3.8	0.4	0.3	Q	0.2	0.7	Q	0.6	Q	Q	Q	19.1
Personal Computer .....	22.6	17.5	15.5	2.0	1.3	0.3	1.0	3.1	0.5	2.7	0.6	0.5	Q	11.7
Photocopier .....	1.5	1.4	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.3
<b>Oven</b>														
Electric .....	94.3	65.6	54.9	10.7	7.6	1.4	6.2	15.7	1.5	14.2	5.4	4.3	1.1	5.9
Electric .....	59.4	42.8	36.7	6.1	3.7	0.5	3.2	10.3	1.1	9.2	2.6	2.0	0.6	8.8
Natural Gas .....	30.7	20.2	16.0	4.1	3.8	0.9	3.0	5.4	0.4	5.0	1.3	1.2	0.1	10.6
LPG .....	4.2	2.7	2.1	0.5	Q	Q	Q	Q	Q	Q	1.4	1.1	0.4	21.7
<b>Pumps (Electric)</b>														
Hot Tub or Spa .....	18.2	16.7	15.2	1.5	0.2	Q	Q	Q	Q	Q	1.3	1.1	0.3	15.3
Hot Tub or Spa .....	2.8	2.8	2.6	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.1
Swimming Pool .....	4.6	4.5	4.3	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	27.0
Well Water .....	13.0	11.5	10.3	1.2	0.2	Q	Q	Q	Q	Q	1.2	0.9	0.3	17.6
<b>Range</b>														
Electric .....	96.1	66.7	55.7	11.0	7.9	1.5	6.4	16.0	1.6	14.4	5.5	4.4	1.2	5.8
Electric .....	59.3	42.5	36.4	6.1	3.8	0.5	3.3	10.5	1.2	9.3	2.6	2.0	0.6	8.7
Natural Gas .....	32.2	21.3	17.0	4.3	4.0	0.9	3.1	5.4	0.4	5.0	1.4	1.3	0.2	10.6
LPG .....	4.6	2.9	2.3	0.6	0.1	Q	Q	Q	Q	Q	1.5	1.1	0.4	21.9

See footnotes at end of table.

**Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
<b>Heaters (other)</b>														
Hot Tub or Spa .....	2.9	4.1	4.6	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	25.3
Electric .....	2.0	2.8	3.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.2
Natural Gas .....	0.7	1.0	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.9
LPG/Other .....	0.2	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.2
Portable Space .....	12.2	13.7	14.0	12.5	9.6	14.8	8.4	5.6	Q	5.9	16.2	13.4	26.7	13.4
Electric .....	10.1	11.4	11.7	9.8	7.8	11.6	6.9	5.6	Q	5.9	11.9	10.2	18.2	14.2
Kerosene .....	2.4	2.9	2.9	3.1	Q	Q	Q	Q	Q	Q	4.6	3.2	Q	35.9
Swimming Pool .....	0.9	1.2	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.5
Natural Gas .....	0.5	0.7	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	71.5
Electric/LPG/Other .....	0.4	0.5	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	69.2
Waterbed Heaters .....	12.3	14.2	14.3	13.6	7.6	Q	8.0	5.2	Q	5.1	16.8	17.2	15.6	12.2
1 .....	10.0	11.4	11.4	11.0	6.1	Q	6.1	4.7	Q	4.8	14.8	14.6	15.6	13.0
2 or More .....	2.3	2.8	2.9	2.6	Q	Q	Q	Q	Q	Q	2.0	2.6	Q	30.1
Waterbed Heaters Used All Year .....	10.3	11.9	11.9	11.8	6.4	Q	6.5	4.5	Q	4.5	13.4	13.9	Q	13.2
1 .....	8.5	9.6	9.7	9.4	5.4	Q	5.3	4.2	Q	4.4	11.5	11.5	Q	14.1
2 or More .....	1.8	2.2	2.2	2.3	Q	Q	Q	Q	Q	Q	1.9	2.5	Q	33.4
<b>Office Equipment</b>														
Facsimile Machine .....	24.2	27.2	28.9	18.2	16.7	23.8	15.1	20.1	29.8	19.0	10.9	12.1	Q	9.6
Facsimile Machine .....	3.0	3.3	3.5	2.5	Q	Q	Q	3.3	Q	2.8	Q	Q	Q	22.8
Laser Printer .....	5.5	6.3	6.8	4.0	3.3	Q	2.4	4.3	Q	4.4	Q	Q	Q	17.7
Personal Computer .....	23.3	26.2	27.9	18.0	16.0	22.1	14.6	19.3	29.8	18.2	10.7	12.0	Q	9.8
Photocopier .....	1.6	2.1	2.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	29.3
<b>Oven</b>														
Electric .....	97.6	98.2	98.4	97.2	94.9	94.8	95.0	96.9	98.4	96.8	96.6	97.4	93.6	NE
Electric .....	61.5	64.1	65.9	55.1	46.1	34.9	48.7	63.5	73.8	62.4	47.0	46.1	50.4	5.7
Natural Gas .....	31.8	30.2	28.7	37.5	48.1	59.4	45.5	32.9	24.6	33.8	24.2	27.3	12.6	9.3
LPG .....	4.3	4.0	3.8	4.6	Q	Q	Q	Q	Q	Q	25.8	24.5	30.6	21.0
<b>Pumps (Electric)</b>														
Hot Tub or Spa .....	18.8	25.0	27.2	13.5	2.6	Q	Q	Q	Q	Q	23.6	24.1	21.8	13.9
Hot Tub or Spa .....	2.9	4.1	4.6	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	25.3
Swimming Pool .....	4.8	6.7	7.7	Q	Q	Q	Q	Q	Q	Q	2.6	3.2	Q	26.7
Well Water .....	13.4	17.3	18.5	11.1	2.6	Q	Q	Q	Q	Q	21.1	21.0	21.4	16.1
<b>Range</b>														
Electric .....	99.4	99.8	99.8	99.5	99.1	100.0	98.9	98.4	100.0	98.2	99.2	99.3	98.9	NE
Electric .....	61.4	63.6	65.3	55.0	47.5	36.1	50.2	64.7	75.8	63.5	45.9	44.9	49.6	5.7
Natural Gas .....	33.3	31.9	30.5	39.1	50.3	62.4	47.6	33.3	24.2	34.2	25.8	28.5	15.7	9.2
LPG .....	4.7	4.3	4.1	5.5	1.7	Q	Q	Q	Q	Q	27.5	25.8	33.6	21.0

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,  
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
<b>Refrigerators</b> .....	96.5	66.7	55.7	11.0	8.0	1.5	6.5	16.2	1.6	14.6	5.6	4.4	1.2	5.8
1 .....	82.1	53.3	43.3	10.0	7.7	1.3	6.4	15.8	1.5	14.4	5.3	4.2	1.1	5.9
2 or More .....	14.4	13.5	12.4	1.0	0.3	0.2	0.1	0.3	Q	0.2	0.2	0.2	Q	18.4
<b>Defrost Method</b>														
Frost-Free .....	81.8	60.3	51.6	8.7	5.9	1.3	4.6	11.4	1.5	9.9	4.2	3.3	0.8	6.3
Manual .....	14.7	6.4	4.2	2.3	2.1	0.2	1.9	4.8	Q	4.7	1.4	1.1	0.3	12.1
<b>Type</b>														
2-Doors (top and bottom) .....	71.3	47.9	39.3	8.6	6.1	1.1	5.0	12.5	1.2	11.4	4.7	3.8	1.0	6.6
2-Doors (side-by-side) .....	16.6	15.0	13.8	1.3	0.5	0.3	0.2	0.7	0.3	0.4	0.3	0.3	Q	15.3
Regular (single door) .....	7.9	3.4	2.3	1.1	1.3	Q	1.2	2.7	Q	2.7	0.5	0.3	0.2	15.5
Half-Size/Other .....	0.8	0.4	0.4	Q	Q	Q	Q	0.2	Q	0.2	Q	Q	Q	47.8
<b>Age</b>														
Less than 2 Years .....	11.9	8.3	7.0	1.3	0.6	Q	0.5	2.3	0.2	2.1	0.6	0.5	Q	14.2
2 to 4 Years .....	16.2	12.0	10.1	1.8	1.3	0.3	0.9	2.1	0.3	1.8	0.9	0.8	Q	11.5
5 to 9 Years .....	28.1	20.4	17.3	3.1	2.0	0.6	1.5	3.9	0.5	3.4	1.7	1.4	0.3	9.7
10 to 19 Years .....	24.9	18.9	16.0	3.0	2.0	0.4	1.6	2.6	0.4	2.3	1.3	0.9	0.4	10.5
20 Years or More .....	7.0	5.2	4.4	0.7	0.6	Q	0.6	0.8	Q	0.7	0.4	0.4	Q	16.8
Don't Know .....	8.3	1.9	0.9	1.1	1.4	Q	1.4	4.4	Q	4.3	0.6	0.3	0.3	15.2
<b>Size</b>														
Very Small (Less than 11 cf) .....	1.3	0.5	0.3	0.2	0.2	Q	0.2	0.5	Q	0.5	Q	Q	Q	37.9
Small (11-14 cf) .....	8.9	3.9	2.7	1.1	1.0	Q	0.9	3.5	0.2	3.3	0.6	0.5	0.1	14.7
Medium (15-18 cf) .....	52.4	33.5	27.1	6.4	5.0	0.9	4.1	10.3	0.9	9.3	3.6	2.8	0.8	7.4
Large (19-22 cf) .....	30.0	25.3	22.2	3.1	1.7	0.5	1.2	1.8	0.4	1.4	1.2	1.0	0.2	9.8
Very Large (23 or More cf) .....	3.9	3.6	3.4	0.2	0.1	Q	Q	0.1	Q	Q	Q	Q	Q	31.1
<b>Through-the-Door Ice Service</b>														
Yes .....	10.1	9.3	8.8	0.5	0.3	Q	Q	0.3	Q	0.2	0.2	0.1	Q	21.6
No .....	86.3	57.4	46.9	10.5	7.7	1.3	6.3	15.9	1.4	14.5	5.4	4.3	1.2	6.0
<b>Television Sets</b> .....	95.4	66.1	55.3	10.9	7.9	1.5	6.4	16.0	1.5	14.4	5.5	4.4	1.1	5.8
Color .....	94.4	65.7	55.0	10.6	7.8	1.5	6.3	15.5	1.5	14.0	5.4	4.4	1.0	5.9
1 .....	39.2	21.9	16.9	5.0	4.4	0.5	4.0	9.7	0.6	9.1	3.2	2.3	0.8	7.5
2 .....	35.2	26.0	22.1	3.9	2.7	0.8	1.9	4.8	0.8	4.0	1.7	1.6	0.2	9.0
3 .....	14.3	12.5	11.0	1.5	0.6	0.2	0.4	0.8	Q	0.7	0.4	0.3	Q	14.7
4 .....	4.2	3.8	3.6	0.2	Q	Q	Q	0.2	Q	Q	Q	Q	Q	23.4
5 or More .....	1.5	1.5	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.3
Black/White .....	19.0	14.3	11.9	2.4	1.2	0.2	1.0	2.4	0.2	2.2	1.1	0.8	0.3	10.6
1 .....	16.9	12.5	10.4	2.1	1.1	0.2	1.0	2.3	0.2	2.1	1.0	0.7	0.3	11.0
2 or More .....	2.1	1.8	1.5	0.3	Q	Q	Q	0.1	Q	0.1	Q	Q	Q	33.7

See footnotes at end of table.

**Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
<b>Refrigerators</b> .....	99.8	99.9	99.9	99.7	99.5	100.0	99.4	99.7	100.0	99.6	100.0	100.0	100.0	NE
1 .....	85.0	79.7	77.6	90.2	95.8	87.4	97.7	97.6	94.3	97.9	95.6	95.5	95.8	1.3
2 or More .....	14.9	20.2	22.3	9.5	3.7	12.6	1.7	2.1	Q	1.7	4.4	4.5	Q	17.1
<b>Defrost Method</b>														
Frost-Free .....	84.6	90.2	92.5	79.1	73.7	89.3	70.2	70.3	95.1	67.7	74.5	75.2	71.9	2.7
Manual .....	15.2	9.6	7.5	20.6	25.8	10.7	29.3	29.4	Q	32.0	25.5	24.8	28.1	10.1
<b>Type</b>														
2-Doors (top and bottom) .....	73.7	71.7	70.4	78.2	75.9	74.9	76.1	77.1	74.2	77.4	85.1	85.5	83.6	2.6
2-Doors (side-by-side) .....	17.1	22.5	24.7	11.4	6.3	17.7	3.7	4.4	21.8	2.5	5.6	6.6	Q	14.8
Regular (single door) .....	8.2	5.0	4.1	9.9	16.2	Q	18.7	16.7	Q	18.1	8.9	7.4	14.9	14.3
Half-Size/Other .....	0.8	0.6	0.7	Q	Q	Q	Q	1.4	Q	1.5	Q	Q	Q	43.6
<b>Age</b>														
Less than 2 Years .....	12.3	12.5	12.5	12.1	7.8	Q	8.0	14.0	13.0	14.1	11.3	12.3	Q	13.2
2 to 4 Years .....	16.8	17.9	18.2	16.7	15.6	23.3	13.9	12.9	17.5	12.4	15.8	18.7	Q	10.9
5 to 9 Years .....	29.1	30.5	31.1	27.8	25.4	37.7	22.6	24.3	32.6	23.4	31.2	32.5	26.3	7.8
10 to 19 Years .....	25.8	28.3	28.6	26.8	25.3	26.1	25.1	16.3	24.6	15.4	23.0	20.9	30.8	8.8
20 Years or More .....	7.3	7.7	8.0	6.5	7.8	Q	8.5	5.0	Q	4.6	7.9	8.6	Q	15.3
Don't Know .....	8.6	2.9	1.5	9.8	17.6	Q	21.4	27.2	Q	29.6	10.8	6.8	25.5	13.0
<b>Size</b>														
Very Small (Less than 11 cf) .....	1.3	0.7	0.5	1.6	2.4	Q	2.6	3.1	Q	3.4	Q	Q	Q	35.9
Small (11-14 cf) .....	9.2	5.8	4.9	10.0	12.1	Q	13.7	21.3	11.1	22.4	11.0	10.7	12.1	13.9
Medium (15-18 cf) .....	54.3	50.2	48.6	57.9	62.5	59.0	63.3	63.3	60.4	63.6	65.4	64.6	68.3	4.1
Large (19-22 cf) .....	31.0	37.9	39.7	28.5	21.0	30.5	18.9	11.1	24.6	9.6	21.2	22.1	17.7	8.9
Very Large (23 or More cf) .....	4.0	5.4	6.1	1.7	1.5	Q	Q	0.9	Q	Q	Q	Q	Q	29.2
<b>Through-the-Door Ice Service</b>														
Yes .....	10.5	14.0	15.8	4.7	3.9	Q	Q	2.0	Q	1.2	3.0	3.3	Q	20.8
No .....	89.3	85.9	84.1	95.0	95.6	90.1	96.9	97.7	90.3	98.5	97.0	96.7	98.1	1.1
<b>Television Sets</b> .....	98.8	98.9	99.1	98.3	98.5	99.1	98.4	98.3	99.7	98.2	98.3	99.4	94.2	NE
Color .....	97.7	98.3	98.7	96.3	97.7	99.1	97.4	95.7	98.9	95.4	96.6	99.2	86.6	1.1
1 .....	40.5	32.8	30.2	45.6	55.5	30.7	61.1	59.6	36.0	62.1	56.9	53.3	70.5	4.9
2 .....	36.4	38.9	39.7	35.2	33.2	51.1	29.1	29.6	48.4	27.6	30.9	35.6	13.1	6.4
3 .....	14.8	18.7	19.8	13.4	8.0	13.6	6.8	5.1	Q	4.8	6.3	7.5	Q	13.8
4 .....	4.3	5.7	6.5	1.7	Q	Q	Q	1.4	Q	Q	Q	Q	Q	20.9
5 or More .....	1.6	2.2	2.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.0
Black/White .....	19.6	21.4	21.3	21.4	15.1	13.0	15.6	14.8	10.5	15.3	19.4	17.7	25.5	9.8
1 .....	17.5	18.7	18.6	19.1	14.1	12.0	14.6	13.9	9.8	14.4	18.2	16.6	24.0	10.2
2 or More .....	2.2	2.7	2.8	2.4	Q	Q	Q	0.9	Q	0.9	Q	Q	Q	31.2

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,  
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Total	Own		Rent
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
<b>Water Heaters<sup>3</sup></b>	95.5	65.8	55.0	10.8	8.0	1.5	6.5	16.2	1.6	14.7	5.5	4.4	1.2	5.9
Electric	37.1	24.1	20.3	3.8	2.5	0.3	2.3	6.5	0.8	5.7	4.0	3.1	0.9	10.8
For One Housing Unit	35.8	24.0	20.2	3.8	2.3	0.2	2.0	5.5	0.8	4.7	4.0	3.1	0.9	11.2
For Two or More Units <sup>4</sup>	1.3	Q	Q	Q	0.3	Q	0.2	1.0	Q	0.9	Q	Q	Q	28.0
Natural Gas	51.2	36.9	30.4	6.5	4.8	1.0	3.9	8.3	0.6	7.7	1.1	1.0	0.1	9.5
For One Housing Unit	44.0	36.8	30.4	6.4	2.9	0.8	2.1	3.2	0.3	2.9	1.1	1.0	0.1	11.4
For Two or More Units <sup>4</sup>	7.2	0.1	Q	0.1	2.0	0.2	1.8	5.1	0.3	4.8	Q	Q	Q	18.4
Fuel Oil	4.0	2.1	1.9	0.2	0.6	0.2	0.3	1.3	Q	1.2	Q	Q	Q	21.7
For One Housing Unit	2.2	2.1	1.9	0.2	0.1	Q	Q	Q	Q	Q	Q	Q	Q	31.3
For Two or More Units <sup>4</sup>	1.8	Q	Q	Q	0.4	Q	0.3	1.3	Q	1.2	Q	Q	Q	21.8
LPG	2.8	2.3	2.0	0.3	Q	Q	Q	Q	Q	Q	0.4	0.2	0.1	31.2
Other	0.4	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	73.3
<b>Water Heater (for one housing unit)</b>														
<b>Age</b>														
Less than 2 Years	11.4	8.9	7.8	1.1	0.5	Q	0.5	1.2	Q	1.1	0.8	0.7	Q	16.5
2 to 4 Years	13.9	11.7	10.4	1.3	0.7	0.3	0.5	0.6	Q	0.5	0.9	0.8	Q	13.7
5 to 9 Years	21.4	17.1	14.7	2.4	1.2	0.4	0.8	1.6	0.3	1.4	1.5	1.3	0.2	12.3
10 to 19 Years	19.5	15.6	13.5	2.0	1.0	0.2	0.8	1.8	0.3	1.5	1.1	0.9	0.2	12.7
20 Years or More	7.5	6.2	5.5	0.8	0.4	0.1	0.3	0.5	Q	0.4	0.4	0.3	Q	20.3
Don't Know	11.3	6.0	3.0	3.0	1.4	Q	1.3	3.0	Q	2.9	0.8	0.4	0.4	14.0
<b>Size</b>														
Small	17.7	10.9	8.7	2.2	1.5	0.3	1.3	2.9	Q	2.7	2.4	1.8	0.6	10.8
Medium	44.1	35.3	29.3	6.0	2.4	0.5	1.9	4.1	0.6	3.6	2.3	2.0	0.3	9.6
Large	18.0	16.0	14.7	1.4	0.7	0.2	0.4	0.7	Q	0.5	0.5	0.5	Q	16.3
Don't Know	5.2	3.2	2.2	1.0	0.7	Q	0.6	1.0	Q	0.9	0.3	0.2	Q	19.8
<b>Other Appliances</b>														
<b>Electric</b>														
Air Cleaner	5.4	4.2	3.9	0.3	0.3	Q	0.3	0.5	Q	0.4	0.3	0.3	Q	21.7
Aquarium	4.1	3.2	2.7	0.4	0.3	Q	0.2	0.4	Q	0.4	0.2	0.2	Q	21.9
Dehumidifier	9.1	8.6	8.2	0.4	0.2	Q	0.1	Q	Q	Q	Q	Q	Q	20.0
Evaporative Cooler	2.7	2.1	1.7	0.5	Q	Q	Q	Q	Q	Q	0.5	0.4	Q	32.2
Humidifier	13.7	10.8	9.5	1.2	0.8	0.2	0.6	1.4	0.3	1.2	0.6	0.5	Q	13.0
Microwave Oven	81.3	59.5	50.7	8.8	6.0	1.2	4.9	11.0	1.4	9.6	4.8	4.0	0.8	6.4
Toaster Oven	27.5	20.0	17.3	2.7	2.0	0.5	1.5	4.3	0.7	3.6	1.3	1.0	0.3	9.5
Outdoor Gas Light <sup>2</sup>	0.5	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.3
Outdoor Grill	27.5	24.4	22.4	1.9	0.9	0.3	0.6	0.9	0.3	0.6	1.4	1.2	0.2	11.9
Natural Gas	2.8	2.7	2.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	29.5
LPG	24.8	21.6	19.7	1.9	0.9	0.3	0.6	0.9	0.3	0.6	1.4	1.2	0.2	12.2

<sup>1</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>2</sup> Gas includes LPG and natural gas.

<sup>3</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>4</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent	Total		Own	Rent
					Total	Own	Rent	Total							
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1		
<b>Water Heaters<sup>3</sup></b>	98.9	98.5	98.7	97.6	99.5	98.3	99.7	99.9	100.0	99.9	99.3	99.4	98.9	NE	
Electric	38.4	36.1	36.4	34.6	31.6	16.9	34.9	39.9	51.4	38.7	72.1	71.2	75.3	8.0	
For One Housing Unit	37.0	35.9	36.2	34.5	28.4	16.4	31.1	33.9	48.4	32.3	72.1	71.2	75.3	8.4	
For Two or More Units <sup>4</sup>	1.4	Q	Q	Q	3.2	Q	3.8	6.0	Q	6.3	Q	Q	Q	26.7	
Natural Gas	53.0	55.3	54.6	59.1	60.3	65.2	59.2	51.0	38.8	52.3	20.1	22.5	11.2	8.1	
For One Housing Unit	45.5	55.1	54.5	57.9	36.0	51.8	32.3	19.5	17.9	19.6	20.1	22.5	11.2	10.2	
For Two or More Units <sup>4</sup>	7.5	0.2	Q	1.2	24.4	13.3	26.9	31.5	20.9	32.6	Q	Q	Q	17.2	
Fuel Oil	4.1	3.2	3.5	1.6	6.9	14.7	5.1	8.1	Q	8.0	Q	Q	Q	20.8	
For One Housing Unit	2.3	3.1	3.4	1.5	1.4	Q	Q	Q	Q	Q	Q	Q	Q	29.3	
For Two or More Units <sup>4</sup>	1.9	Q	Q	Q	5.5	Q	4.2	8.1	Q	8.0	Q	Q	Q	21.4	
LPG	2.9	3.4	3.7	2.3	Q	Q	Q	Q	Q	Q	6.7	5.4	11.5	30.8	
Other	0.5	0.5	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	65.9	
<b>Water Heater (for one housing unit)</b>															
<b>Age</b>															
Less than 2 Years	11.8	13.3	14.0	9.9	6.5	Q	7.6	7.5	Q	7.5	13.6	15.3	Q	14.9	
2 to 4 Years	14.4	17.5	18.6	11.6	9.3	18.2	7.3	3.8	Q	3.6	15.5	17.6	Q	12.3	
5 to 9 Years	22.2	25.6	26.4	21.6	14.6	24.2	12.4	10.1	18.2	9.2	27.2	29.2	19.7	10.6	
10 to 19 Years	20.1	23.3	24.3	18.6	12.3	12.1	12.3	10.8	18.4	10.0	20.5	20.7	19.5	11.7	
20 Years or More	7.8	9.3	9.8	6.9	5.2	9.0	4.3	2.9	Q	2.4	7.2	6.5	Q	19.3	
Don't Know	11.7	9.0	5.3	27.6	17.9	Q	20.5	18.4	Q	19.4	15.0	10.1	33.6	12.1	
<b>Size</b>															
Small	18.3	16.4	15.6	20.1	18.9	17.7	19.2	17.7	Q	18.6	42.7	39.9	53.2	8.7	
Medium	45.6	52.9	52.5	54.5	29.9	32.6	29.3	25.4	35.6	24.3	41.0	44.3	28.2	7.3	
Large	18.6	24.0	26.3	12.4	8.6	16.5	6.8	4.2	15.0	3.1	9.7	10.3	Q	15.1	
Don't Know	5.4	4.8	4.0	9.1	8.5	Q	9.3	6.3	Q	6.2	5.5	4.8	Q	18.7	
<b>Other Appliances</b>															
<b>Electric</b>															
Air Cleaner	5.5	6.3	6.9	2.8	4.0	Q	3.9	3.3	Q	2.7	5.8	6.5	Q	20.4	
Aquarium	4.3	4.8	4.9	4.0	3.7	Q	3.8	2.5	Q	2.6	4.4	4.6	Q	20.6	
Dehumidifier	9.4	12.9	14.6	3.9	2.5	Q	2.1	Q	Q	Q	Q	Q	Q	18.8	
Evaporative Cooler	2.8	3.2	3.0	4.2	Q	Q	Q	Q	Q	Q	8.9	9.4	Q	31.2	
Humidifier	14.1	16.2	17.1	11.3	10.1	16.4	8.7	8.8	16.5	8.0	11.0	11.9	Q	12.5	
Microwave Oven	84.1	89.0	90.9	79.5	75.1	77.9	74.5	67.9	91.4	65.4	85.9	90.6	68.5	2.4	
Toaster Oven	28.5	29.9	31.1	24.2	24.6	34.0	22.4	26.6	43.5	24.8	22.5	22.5	22.6	7.5	
Outdoor Gas Light <sup>2</sup>	0.6	0.8	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.9	
Outdoor Grill	28.5	36.5	40.2	17.6	11.6	21.4	9.3	5.3	17.2	4.1	24.8	27.9	13.0	10.5	
Natural Gas	2.9	4.1	4.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	26.1	
LPG	25.7	32.4	35.4	17.3	11.4	20.5	9.3	5.3	16.8	4.1	24.8	27.9	13.0	10.8	

<sup>1</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>2</sup> Gas includes LPG and natural gas.

<sup>3</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>4</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)



**Table 3.19a. Appliances by Family Income, Million U.S. Households, 1993**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Total</b> .....	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
<b>Air-Conditioner</b> .....	66.1	2.5	6.4	6.7	11.8	10.0	12.8	15.9	8.2	11.5	18.5	4.6
Central <sup>2</sup> .....	42.1	1.1	2.8	3.3	6.9	7.0	8.6	12.4	3.3	4.8	8.5	7.0
Electric .....	41.9	1.1	2.7	3.3	6.9	7.0	8.6	12.4	3.3	4.7	8.4	7.0
Without a Heat Pump .....	30.1	0.8	1.9	2.5	5.2	5.0	6.1	8.6	2.4	3.4	5.9	8.0
With a Heat Pump .....	11.9	0.3	0.9	0.8	1.7	1.9	2.5	3.8	1.0	1.3	2.5	13.4
Gas <sup>3</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	87.3
Room <sup>2</sup> .....	25.7	1.4	3.7	3.5	5.1	3.5	4.5	4.0	5.0	7.0	10.3	6.7
1 Unit .....	17.3	1.1	3.0	2.6	3.3	2.5	2.8	2.2	3.8	5.2	7.6	7.8
2 Units .....	6.3	0.3	0.6	0.7	1.4	0.8	1.4	1.1	0.9	1.4	2.1	14.3
3 or More Units .....	2.2	Q	Q	0.2	0.4	0.2	0.4	0.7	0.3	0.4	0.6	23.2
<b>Clothes Washer</b> .....	74.5	1.9	5.9	7.1	13.6	11.8	14.9	19.3	8.2	11.6	19.2	4.0
<b>Clothes Dryer</b> .....	68.8	1.4	4.6	5.9	12.5	11.3	14.4	18.7	6.1	8.9	15.4	4.2
Electric .....	54.7	1.1	3.9	4.7	10.1	9.1	11.6	14.2	4.9	7.2	12.4	4.8
Natural Gas .....	13.4	0.3	0.7	1.1	2.3	2.0	2.6	4.5	1.1	1.6	2.9	12.2
LPG .....	0.7	Q	Q	Q	Q	0.2	0.2	Q	Q	Q	0.2	40.7
<b>Dishwasher</b> .....	43.7	0.7	1.2	2.7	6.3	7.0	10.3	15.5	2.1	3.2	6.1	6.5
<b>Fans</b> .....	88.4	3.3	9.2	10.1	16.5	13.0	16.5	19.8	12.4	16.8	27.1	3.6
Ceiling .....	51.8	1.2	3.7	5.1	9.5	8.3	10.9	13.3	5.0	7.4	12.8	5.1
1 .....	22.3	0.8	2.2	2.6	4.3	3.6	4.1	4.6	3.0	4.2	6.8	7.3
2 .....	12.0	0.2	0.8	1.2	2.3	1.6	2.8	3.0	0.9	1.6	2.9	9.9
3 or more .....	17.6	Q	0.7	1.2	2.8	3.0	4.0	5.7	1.0	1.7	3.0	9.6
Exhaust (attic) .....	9.0	Q	0.4	0.5	1.4	1.4	2.0	3.4	0.4	0.6	1.1	14.2
Exhaust (other) .....	55.8	1.5	4.3	5.1	9.4	8.9	11.9	14.7	5.6	7.8	13.5	5.1
Portable .....	50.0	2.3	6.2	6.5	9.6	7.1	8.5	9.7	8.5	11.5	17.5	4.7
Whole-House .....	4.1	Q	0.2	0.2	0.6	0.6	0.9	1.5	0.2	0.3	0.6	21.3
Window .....	12.9	0.8	1.4	1.7	2.9	1.8	2.2	2.2	2.4	3.4	5.0	8.9
<b>Freezer</b> .....	33.4	0.9	2.7	3.1	6.3	5.1	6.8	8.5	3.7	5.5	8.5	5.9
1 .....	29.5	0.9	2.5	2.7	5.5	4.7	6.0	7.2	3.4	5.0	7.7	6.2
2 or more .....	3.8	Q	0.3	0.4	0.8	0.5	0.8	1.2	0.3	0.5	0.8	18.7
<b>Defrost Method</b>												
Frost-Free .....	11.2	0.2	0.7	0.9	1.8	1.5	2.6	3.4	1.0	1.4	2.5	10.4
Manual .....	22.1	0.7	2.0	2.2	4.5	3.6	4.2	5.1	2.7	4.0	6.0	7.4
<b>Type</b>												
Upright .....	16.9	0.3	1.0	1.3	3.0	2.5	3.6	5.2	1.2	2.1	3.6	9.3
Chest .....	16.5	0.6	1.7	1.8	3.3	2.6	3.2	3.3	2.5	3.4	4.9	7.9
<b>Age</b>												
Less than 2 Years .....	2.1	Q	0.2	0.2	0.4	0.2	0.5	0.5	0.4	0.5	0.7	21.4
2 to 4 Years .....	3.4	0.2	0.3	0.3	0.6	0.4	0.6	0.9	0.5	0.7	0.9	15.3
5 to 9 Years .....	6.6	0.2	0.6	0.7	1.2	1.1	1.4	1.5	0.7	1.0	1.7	13.9
10 to 19 Years .....	12.6	0.3	0.8	1.1	2.3	2.0	2.5	3.5	1.1	1.7	2.8	9.2
20 Years or More .....	7.7	0.2	0.7	0.8	1.6	1.1	1.5	1.8	0.9	1.4	2.0	13.2
Don't Know .....	0.9	Q	Q	Q	0.2	0.2	0.1	0.2	Q	0.2	0.3	29.2
<b>Size</b>												
Very Small (Less than 11 cf) .....	2.8	Q	0.4	0.3	0.5	0.4	0.5	0.6	0.4	0.5	0.9	19.0
Small (11-14 cf) .....	6.7	0.2	0.8	0.7	1.4	1.0	1.2	1.4	1.2	1.6	2.2	11.8
Medium (15-18 cf) .....	12.1	0.2	0.8	1.1	2.3	1.7	2.7	3.3	0.9	1.5	2.6	9.7
Large (19-22 cf) .....	9.5	0.3	0.7	0.8	1.6	1.6	1.9	2.7	1.0	1.5	2.3	11.8
Very Large (23 or More cf) .....	2.2	Q	Q	0.2	0.5	0.4	0.5	0.5	0.2	0.3	0.5	22.8

See footnotes at end of table.

**Table 3.19b. Appliances by Family Income, Percent of U.S. Households, 1993**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Total</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
<b>Air-Conditioner</b> .....	68.4	62.1	60.0	60.3	64.4	71.4	73.2	75.8	57.0	59.5	60.2	3.0
Central <sup>2</sup> .....	43.5	27.7	26.0	29.7	37.6	49.5	49.2	59.2	23.3	24.6	27.6	5.9
Electric .....	43.4	27.7	25.8	29.5	37.5	49.5	49.1	59.0	23.1	24.5	27.4	5.9
Without a Heat Pump .....	31.1	19.4	17.6	22.2	28.5	35.8	34.8	41.1	16.5	17.8	19.4	7.3
With a Heat Pump .....	12.3	8.3	8.1	7.3	9.1	13.7	14.3	18.0	6.7	6.7	8.1	12.8
Gas <sup>3</sup> .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	81.1
Room <sup>2</sup> .....	26.6	34.7	35.0	31.4	27.6	25.1	26.0	19.0	34.6	35.9	33.6	5.7
1 Unit .....	17.9	26.0	28.4	23.1	18.0	17.5	15.9	10.3	26.1	26.9	24.8	7.0
2 Units .....	6.5	6.7	5.9	6.3	7.5	6.0	7.9	5.2	6.4	7.0	6.8	14.1
3 or More Units .....	2.2	Q	Q	2.0	2.2	1.6	2.3	3.5	2.0	2.0	2.0	22.7
<b>Clothes Washer</b> .....	77.1	47.9	55.6	63.6	74.2	83.8	85.1	92.0	57.0	59.7	62.6	2.6
<b>Clothes Dryer</b> .....	71.2	33.8	43.4	52.7	68.1	80.7	82.3	89.2	42.3	45.9	50.4	3.0
Electric .....	56.6	27.1	36.6	42.1	55.1	65.1	66.2	67.5	34.3	37.0	40.5	4.0
Natural Gas .....	13.9	6.5	6.8	10.1	12.4	14.3	14.7	21.3	7.7	8.3	9.4	11.8
LPG .....	0.7	Q	Q	Q	Q	1.3	1.4	Q	Q	Q	0.5	40.0
<b>Dishwasher</b> .....	45.2	17.1	11.4	24.1	34.4	49.8	58.9	74.1	14.8	16.5	19.8	5.5
<b>Fans</b> .....	91.5	81.4	87.2	90.9	89.8	92.5	94.3	94.4	85.9	86.8	88.3	1.3
Ceiling .....	53.6	28.5	35.0	45.6	51.5	58.9	62.3	63.3	34.6	38.1	41.6	3.9
1 .....	23.0	20.4	21.0	23.4	23.6	25.8	23.4	21.8	20.8	21.5	22.3	6.6
2 .....	12.4	5.3	7.2	11.0	12.5	11.7	16.3	14.2	6.5	8.0	9.5	9.3
3 or more .....	18.2	Q	6.8	11.1	15.3	21.4	22.6	27.3	7.2	8.5	9.7	9.0
Exhaust (attic) .....	9.3	Q	3.5	4.2	7.5	9.8	11.5	16.0	2.6	3.3	3.7	13.7
Exhaust (other) .....	57.8	37.1	40.9	45.9	51.1	63.5	68.1	70.0	39.2	40.4	44.0	3.8
Portable .....	51.8	57.8	58.7	58.3	52.2	50.6	48.9	46.5	59.1	59.6	57.2	3.4
Whole-House .....	4.2	Q	1.8	2.2	3.1	4.2	5.4	7.0	1.5	1.8	2.0	20.7
Window .....	13.4	19.0	12.8	15.4	15.6	12.5	12.9	10.6	17.0	17.3	16.4	8.3
<b>Freezer</b> .....	34.5	22.2	25.8	27.7	34.2	36.5	38.7	40.3	25.6	28.1	27.7	5.2
1 .....	30.5	21.3	23.3	24.6	30.1	33.3	34.3	34.5	23.4	25.7	25.0	5.5
2 or more .....	4.0	Q	2.4	3.2	4.2	3.2	4.4	5.8	2.2	2.4	2.6	18.5
<b>Defrost Method</b>												
Frost-Free .....	11.6	6.0	6.9	8.3	9.9	10.9	14.6	16.2	7.1	7.4	8.0	10.1
Manual .....	22.9	16.2	18.9	19.4	24.3	25.5	24.1	24.1	18.5	20.7	19.6	6.7
<b>Type</b>												
Upright .....	17.4	8.2	9.6	11.3	16.1	17.9	20.7	24.6	8.5	10.6	11.6	8.7
Chest .....	17.1	14.0	16.2	16.4	18.1	18.6	18.1	15.7	17.1	17.5	16.0	7.5
<b>Age</b>												
Less than 2 Years .....	2.2	Q	2.2	2.2	1.9	1.7	2.8	2.4	2.6	2.5	2.3	21.3
2 to 4 Years .....	3.5	4.2	2.9	2.5	3.5	3.2	3.7	4.5	3.8	3.6	3.0	15.4
5 to 9 Years .....	6.8	4.0	5.3	5.9	6.3	7.9	8.3	7.2	4.9	5.4	5.7	13.4
10 to 19 Years .....	13.0	6.7	7.9	9.5	12.7	14.3	14.6	16.9	7.4	8.9	9.1	8.7
20 Years or More .....	8.0	5.6	6.8	6.8	8.6	7.9	8.5	8.7	6.1	7.0	6.6	12.8
Don't Know .....	0.9	Q	Q	Q	1.2	1.4	0.8	0.7	Q	0.8	1.0	29.3
<b>Size</b>												
Very Small (Less than 11 cf) .....	2.9	Q	3.4	2.7	2.8	2.9	3.0	2.7	2.8	2.8	2.9	18.6
Small (11-14 cf) .....	6.9	5.8	8.0	6.1	7.5	7.4	6.6	6.6	8.1	8.2	7.1	11.6
Medium (15-18 cf) .....	12.6	5.8	7.3	10.2	12.7	11.8	15.3	15.9	6.5	7.9	8.5	9.2
Large (19-22 cf) .....	9.9	6.6	6.4	6.8	8.7	11.5	11.1	12.7	7.1	7.8	7.6	11.4
Very Large (23 or More cf) .....	2.3	Q	Q	2.0	2.5	2.8	2.7	2.4	1.1	1.5	1.6	22.6

See footnotes at end of table.

**Table 3.19a. Appliances by Family Income,  
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Heaters (other)</b>												
Hot Tub or Spa .....	2.8	Q	Q	Q	0.2	0.3	0.6	1.6	Q	Q	0.2	21.0
Electric .....	1.9	Q	Q	Q	0.2	0.2	0.5	1.0	Q	Q	0.2	26.2
Natural Gas .....	0.7	Q	Q	Q	Q	Q	Q	0.5	Q	Q	Q	27.9
LPG/Other .....	0.2	Q	Q	Q	Q	Q	Q	0.1	Q	Q	Q	34.5
Portable Space .....	11.8	0.5	1.2	1.3	2.6	1.6	1.9	2.7	1.7	2.3	3.8	9.9
Electric .....	9.8	0.4	1.0	1.1	2.2	1.3	1.5	2.3	1.4	1.9	3.1	10.3
Kerosene .....	2.3	Q	0.2	0.2	0.5	0.3	0.5	0.5	0.3	0.5	0.8	24.1
Swimming Pool .....	0.8	Q	Q	Q	Q	0.1	0.1	0.5	Q	Q	Q	36.4
Natural Gas .....	0.5	Q	Q	Q	Q	Q	Q	0.3	Q	Q	Q	44.6
Electric/LPG/Other .....	0.4	Q	Q	Q	Q	Q	Q	0.2	Q	Q	Q	50.9
Waterbed Heaters .....	11.9	Q	0.5	0.8	2.4	2.2	2.9	3.0	0.8	1.3	2.3	11.0
1 .....	9.7	Q	0.4	0.7	2.2	1.7	2.3	2.2	0.7	1.1	2.0	12.3
2 or More .....	2.2	Q	Q	Q	0.3	0.4	0.6	0.8	Q	0.2	0.3	21.3
Waterbed Heaters Used All Year .....	9.9	Q	0.4	0.7	2.0	1.7	2.6	2.5	0.6	1.0	1.9	12.0
1 .....	8.2	Q	0.4	0.6	1.9	1.4	2.1	1.9	0.6	0.9	1.6	13.3
2 or More .....	1.7	Q	Q	Q	0.2	0.3	0.5	0.6	Q	0.2	0.3	24.6
<b>Office Equipment</b> .....	23.3	0.4	0.5	1.0	2.8	3.1	5.8	9.6	1.1	1.7	3.0	9.4
Facsimile Machine .....	2.9	Q	Q	Q	0.4	0.2	0.8	1.4	Q	Q	0.3	20.5
Laser Printer .....	5.3	Q	Q	0.2	0.7	0.5	1.2	2.5	0.3	0.3	0.8	16.7
Personal Computer .....	22.6	0.4	0.5	1.0	2.7	3.0	5.6	9.4	1.1	1.7	3.0	9.6
Photocopier .....	1.5	Q	Q	Q	0.3	0.2	0.3	0.6	Q	Q	0.3	24.9
<b>Oven</b> .....	94.3	3.9	10.1	10.6	17.9	13.8	17.2	20.7	13.8	18.7	29.7	3.4
Electric .....	59.4	2.0	5.5	5.7	10.9	9.4	11.7	14.4	6.7	9.4	15.8	5.0
Natural Gas .....	30.7	1.7	4.0	4.2	6.0	3.6	5.1	6.0	6.1	7.8	11.9	7.0
LPG .....	4.2	0.3	0.5	0.7	1.0	0.8	0.5	0.3	0.9	1.4	1.9	17.2
<b>Pumps (Electric)</b> .....	18.2	0.2	0.7	1.4	3.2	2.9	4.2	5.5	1.2	2.1	3.5	9.8
Hot Tub or Spa .....	2.8	Q	Q	Q	0.2	0.3	0.6	1.6	Q	Q	0.2	21.0
Swimming Pool .....	4.6	Q	Q	0.2	0.5	0.6	1.3	2.0	0.1	0.3	0.5	19.8
Well Water .....	13.0	0.2	0.7	1.2	2.7	2.3	2.9	3.1	1.0	1.8	3.0	11.7
<b>Range</b> .....	96.1	4.0	10.4	11.0	18.3	14.0	17.4	20.9	14.2	19.1	30.3	3.4
Electric .....	59.3	2.0	5.6	5.8	10.9	9.3	11.6	14.1	6.7	9.5	15.9	5.0
Natural Gas .....	32.2	1.8	4.2	4.4	6.3	3.8	5.4	6.4	6.4	8.1	12.3	6.8
LPG .....	4.6	0.3	0.6	0.8	1.1	0.9	0.5	0.4	1.0	1.5	2.0	16.5

See footnotes at end of table.

**Table 3.19b. Appliances by Family Income,  
Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Heaters (other)</b>												
Hot Tub or Spa .....	2.9	Q	Q	Q	1.2	2.1	3.5	7.7	Q	Q	0.7	21.1
Electric .....	2.0	Q	Q	Q	0.9	1.7	2.8	4.8	Q	Q	0.5	26.4
Natural Gas .....	0.7	Q	Q	Q	Q	Q	Q	2.2	Q	Q	Q	27.6
LPG/Other .....	0.2	Q	Q	Q	Q	Q	Q	0.7	Q	Q	Q	33.9
Portable Space .....	12.2	11.8	11.5	11.4	14.1	11.2	10.7	13.1	11.9	12.1	12.3	9.4
Electric .....	10.1	10.0	9.3	9.5	12.0	9.4	8.6	11.1	9.6	9.6	10.0	9.8
Kerosene .....	2.4	Q	2.2	2.2	2.9	2.4	2.6	2.2	2.4	2.8	2.7	23.8
Swimming Pool .....	0.9	Q	Q	Q	Q	1.0	0.8	2.2	Q	Q	Q	36.6
Natural Gas .....	0.5	Q	Q	Q	Q	Q	Q	1.3	Q	Q	Q	44.5
Electric/LPG/Other .....	0.4	Q	Q	Q	Q	Q	Q	0.8	Q	Q	Q	49.9
Waterbed Heaters .....	12.3	Q	4.5	7.3	13.3	15.3	16.6	14.3	5.4	6.5	7.5	10.5
1 .....	10.0	Q	4.1	6.2	11.9	12.4	13.2	10.7	4.8	5.5	6.4	11.7
2 or More .....	2.3	Q	Q	Q	1.4	2.9	3.5	3.6	Q	0.9	1.1	21.2
Waterbed Heaters Used All Year .....	10.3	Q	3.7	6.0	11.1	12.1	14.6	11.8	4.4	5.2	6.0	11.4
1 .....	8.5	Q	3.4	5.0	10.3	9.8	11.9	8.9	3.9	4.4	5.2	12.7
2 or More .....	1.8	Q	Q	Q	0.9	2.3	2.7	2.9	Q	0.8	0.9	24.6
<b>Office Equipment</b>												
Facsimile Machine .....	3.0	Q	Q	Q	2.0	1.6	4.6	6.5	Q	Q	0.9	20.2
Laser Printer .....	5.5	Q	Q	1.9	3.6	3.7	6.7	11.9	1.8	1.8	2.5	16.5
Personal Computer .....	23.3	10.0	4.8	8.9	14.5	21.1	32.0	45.0	7.7	8.7	9.7	8.9
Photocopier .....	1.6	Q	Q	Q	1.6	1.2	1.9	3.1	Q	Q	0.8	24.7
<b>Oven</b>												
Electric .....	97.6	96.8	95.3	95.6	97.6	98.3	98.7	98.6	95.7	96.3	96.7	NE
Electric .....	61.5	48.1	52.0	51.0	59.3	66.5	66.9	68.6	46.3	48.6	51.6	3.8
Natural Gas .....	31.8	42.0	38.1	38.1	32.7	25.9	29.3	28.4	42.7	40.3	38.9	6.0
LPG .....	4.3	6.7	5.1	6.3	5.6	6.0	2.8	1.6	6.4	7.2	6.1	17.2
<b>Pumps (Electric)</b>												
Hot Tub or Spa .....	18.8	5.4	6.7	12.8	17.3	20.8	24.3	26.3	8.4	11.0	11.6	9.5
Hot Tub or Spa .....	2.9	Q	Q	Q	1.2	2.1	3.5	7.7	Q	Q	0.7	21.1
Swimming Pool .....	4.8	Q	Q	1.5	2.6	4.3	7.5	9.4	1.0	1.4	1.6	19.6
Well Water .....	13.4	4.7	6.3	10.8	14.5	16.1	16.6	14.7	7.1	9.3	9.8	11.4
<b>Range</b>												
Electric .....	99.4	98.8	98.4	99.2	99.4	99.7	99.9	99.8	98.6	98.8	99.0	NE
Electric .....	61.4	48.1	53.1	52.2	59.4	66.1	66.7	67.3	46.8	49.0	52.0	3.7
Natural Gas .....	33.3	43.2	39.4	39.7	34.1	27.0	30.7	30.5	44.6	41.8	40.1	5.9
LPG .....	4.7	7.5	5.4	7.1	6.0	6.5	2.8	1.9	7.0	7.8	6.6	16.5

See footnotes at end of table.

**Table 3.19a. Appliances by Family Income,  
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Refrigerators</b> .....	96.5	4.0	10.5	11.1	18.3	14.0	17.5	21.0	14.3	19.3	30.6	3.4
1 .....	82.1	3.8	9.6	9.9	16.2	12.0	14.6	16.0	13.2	17.6	27.4	3.6
2 or More .....	14.4	0.2	0.9	1.2	2.2	2.0	2.9	4.9	1.2	1.8	3.2	10.0
<b>Defrost Method</b>												
Frost-Free .....	81.8	2.8	7.0	8.8	15.2	12.5	15.7	19.7	9.9	13.9	22.7	3.8
Manual .....	14.7	1.3	3.5	2.3	3.1	1.5	1.8	1.2	4.4	5.4	7.9	8.2
<b>Type</b>												
2-Doors (top and bottom) .....	71.3	2.9	8.1	8.3	14.3	10.9	12.7	13.9	10.6	14.6	23.1	3.8
2-Doors (side-by-side) .....	16.6	0.2	0.5	1.3	2.4	2.3	3.7	6.1	1.0	1.5	2.9	9.6
Regular (single door) .....	7.9	0.8	1.8	1.4	1.4	0.7	0.9	0.8	2.5	3.0	4.3	10.5
Half-Size/Other .....	0.8	Q	Q	Q	0.2	Q	Q	0.1	0.2	0.2	0.3	32.2
<b>Age</b>												
Less than 2 Years .....	11.9	0.5	1.0	1.3	2.0	1.6	2.4	2.9	1.7	2.3	3.6	9.9
2 to 4 Years .....	16.2	0.5	1.3	1.4	3.1	2.4	3.4	4.0	2.1	2.8	4.4	8.8
5 to 9 Years .....	28.1	0.8	2.2	3.1	5.5	4.2	5.5	6.8	3.4	4.8	7.8	6.2
10 to 19 Years .....	24.9	1.0	3.0	3.1	4.4	3.9	4.1	5.4	3.7	5.0	8.0	6.9
20 Years or More .....	7.0	0.3	1.3	1.0	1.5	0.9	1.0	1.0	1.2	1.7	2.7	10.8
Don't Know .....	8.3	0.8	1.7	1.3	1.8	0.9	1.1	0.8	2.3	2.8	4.0	10.8
<b>Size</b>												
Very Small (Less than 11 cf) .....	1.3	0.2	0.2	0.3	0.3	Q	Q	Q	0.4	0.5	0.7	22.0
Small (11-14 cf) .....	8.9	0.7	1.8	1.4	2.0	1.0	1.1	0.9	2.2	2.8	4.2	10.8
Medium (15-18 cf) .....	52.4	2.2	6.3	6.7	10.8	7.7	9.3	9.3	8.3	11.2	17.9	4.4
Large (19-22 cf) .....	30.0	0.9	2.1	2.6	4.8	4.7	6.1	8.8	3.3	4.6	7.4	6.1
Very Large (23 or More cf) .....	3.9	Q	Q	0.1	0.5	0.5	0.9	1.8	0.1	0.2	0.4	21.9
<b>Through-the-Door Ice Service</b>												
Yes .....	10.1	Q	0.3	0.5	1.0	1.4	2.4	4.5	0.5	0.9	1.2	13.4
No .....	86.3	3.9	10.2	10.7	17.4	12.6	15.1	16.5	13.8	18.5	29.3	3.5
<b>Television Sets</b> .....	95.4	3.9	10.4	10.9	18.2	13.9	17.3	20.9	14.0	18.9	29.9	3.4
Color .....	94.4	3.7	9.8	10.7	18.1	13.9	17.2	20.8	13.4	18.1	29.1	3.4
1 .....	39.2	2.6	6.9	5.9	8.8	5.3	5.3	4.4	8.4	11.0	16.6	5.1
2 .....	35.2	0.9	2.3	3.8	6.9	6.0	7.1	8.3	3.7	5.3	9.3	5.5
3 .....	14.3	0.2	0.4	0.9	2.0	1.8	3.7	5.2	1.0	1.5	2.5	10.7
4 .....	4.2	Q	0.1	Q	0.4	0.6	0.8	2.1	0.2	0.3	0.5	17.9
5 or More .....	1.5	Q	Q	Q	Q	0.2	0.3	0.9	Q	Q	Q	22.2
Black/White .....	19.0	1.0	2.1	2.0	3.3	2.6	3.3	4.6	3.6	4.6	6.2	7.1
1 .....	16.9	0.8	2.0	1.7	3.1	2.4	2.9	4.1	3.1	4.0	5.5	7.5
2 or More .....	2.1	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.6	0.7	19.6

See footnotes at end of table.

**Table 3.19b. Appliances by Family Income, Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Refrigerators</b> .....	99.8	99.5	99.3	100.0	99.8	99.8	100.0	100.0	99.7	99.7	99.7	NE
1 .....	85.0	94.2	90.4	89.0	88.1	85.3	83.5	76.5	91.5	90.6	89.4	1.3
2 or More .....	14.9	5.2	8.9	11.0	11.7	14.4	16.5	23.5	8.2	9.1	10.3	9.6
<b>Defrost Method</b>												
Frost-Free .....	84.6	68.0	66.4	79.1	82.7	89.3	89.9	94.1	69.1	71.9	74.1	1.8
Manual .....	15.2	31.5	32.9	20.9	17.1	10.5	10.1	5.9	30.5	27.9	25.6	7.2
<b>Type</b>												
2-Doors (top and bottom) .....	73.7	71.9	76.8	75.0	77.8	77.7	72.9	66.4	73.6	75.2	75.2	1.9
2-Doors (side-by-side) .....	17.1	4.7	4.8	11.6	13.2	16.2	21.4	29.3	6.8	7.8	9.6	8.8
Regular (single door) .....	8.2	20.4	16.7	12.8	7.7	5.3	5.4	3.6	17.7	15.5	13.9	10.0
Half-Size/Other .....	0.8	Q	Q	Q	1.1	Q	Q	0.7	1.5	1.2	1.0	31.7
<b>Age</b>												
Less than 2 Years .....	12.3	13.4	9.5	11.6	11.1	11.6	13.8	14.0	11.7	12.0	11.7	9.0
2 to 4 Years .....	16.8	13.2	12.7	12.9	16.6	17.4	19.4	19.2	14.5	14.3	14.4	8.2
5 to 9 Years .....	29.1	20.2	21.2	27.6	30.0	30.2	31.2	32.3	23.4	24.8	25.4	5.6
10 to 19 Years .....	25.8	23.7	28.3	27.9	24.2	27.7	23.8	25.5	25.7	25.7	26.0	6.0
20 Years or More .....	7.3	8.2	11.9	8.6	8.4	6.7	5.5	5.0	8.5	8.7	8.9	10.4
Don't Know .....	8.6	20.7	15.7	11.3	9.5	6.2	6.4	4.0	15.9	14.3	13.2	10.5
<b>Size</b>												
Very Small (Less than 11 cf) .....	1.3	4.4	2.2	2.5	1.6	Q	Q	Q	2.6	2.5	2.4	21.8
Small (11-14 cf) .....	9.2	17.5	16.9	12.4	10.8	7.2	6.3	4.4	15.6	14.4	13.5	10.0
Medium (15-18 cf) .....	54.3	55.2	59.9	60.6	58.5	54.7	53.4	44.5	57.4	57.9	58.3	2.9
Large (19-22 cf) .....	31.0	22.3	19.4	23.2	26.3	33.2	34.9	42.1	22.9	23.8	24.2	5.4
Very Large (23 or More cf) .....	4.0	Q	Q	1.2	2.6	3.7	5.1	8.5	1.0	1.1	1.2	21.6
<b>Through-the-Door Ice Service</b>												
Yes .....	10.5	Q	2.8	4.1	5.2	10.2	13.7	21.4	3.6	4.5	4.0	12.9
No .....	89.3	97.2	96.5	95.9	94.6	89.5	86.3	78.6	96.1	95.3	95.7	1.2
<b>Television Sets</b> .....	98.8	95.9	97.9	97.7	98.8	99.3	99.1	99.6	97.5	97.5	97.6	NE
Color .....	97.7	92.3	92.8	96.4	98.6	99.2	98.7	99.3	93.2	93.7	94.8	NE
1 .....	40.5	62.9	65.4	53.4	47.7	37.8	30.4	20.9	58.7	56.9	54.1	3.5
2 .....	36.4	22.0	22.1	33.9	37.3	42.7	40.4	39.4	25.7	27.1	30.3	4.6
3 .....	14.8	5.9	4.1	8.0	11.0	12.6	21.3	24.9	7.0	7.9	8.2	10.2
4 .....	4.3	Q	1.1	Q	2.0	4.5	4.8	9.9	1.5	1.6	1.7	18.0
5 or More .....	1.6	Q	Q	Q	Q	1.6	1.8	4.2	Q	Q	Q	22.3
<b>Black/White</b> .....	19.6	24.7	20.3	17.7	17.8	18.6	19.1	22.0	25.2	23.7	20.3	6.5
1 .....	17.5	19.2	18.8	15.5	16.8	16.9	16.3	19.4	21.9	20.7	18.1	6.9
2 or More .....	2.2	5.4	1.5	2.2	1.0	1.7	2.8	2.6	3.3	3.0	2.2	19.6

See footnotes at end of table.

**Table 3.19a. Appliances by Family Income, Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
<b>Water Heaters<sup>4</sup></b>	95.5	4.0	10.4	10.9	18.2	13.9	17.3	20.8	14.1	19.1	30.1	3.4
Electric	37.1	1.6	4.1	4.3	7.8	6.1	6.6	6.7	5.4	7.6	11.9	6.3
For One Housing Unit	35.8	1.5	3.8	4.0	7.5	6.0	6.5	6.6	5.2	7.2	11.3	6.6
For Two or More Units <sup>5</sup>	1.3	Q	0.3	0.3	0.3	Q	0.1	Q	0.3	0.4	0.7	27.3
Natural Gas	51.2	2.1	5.5	5.9	9.2	6.7	9.4	12.5	7.5	9.9	15.8	5.6
For One Housing Unit	44.0	1.6	4.2	4.8	7.6	5.7	8.3	11.8	5.9	7.9	12.5	6.2
For Two or More Units <sup>5</sup>	7.2	0.5	1.3	1.1	1.5	1.0	1.1	0.7	1.6	2.0	3.3	14.6
Fuel Oil	4.0	0.2	0.4	0.4	0.6	0.5	0.8	1.1	0.6	0.8	1.2	14.9
For One Housing Unit	2.2	Q	Q	0.1	0.3	0.3	0.5	0.8	0.1	0.2	0.4	23.2
For Two or More Units <sup>5</sup>	1.8	Q	0.3	0.3	0.3	0.2	0.3	0.2	0.5	0.7	0.8	20.4
LPG	2.8	0.1	0.4	0.3	0.6	0.5	0.4	0.4	0.5	0.8	1.1	20.4
Other	0.4	Q	Q	Q	Q	Q	Q	0.2	Q	Q	0.1	47.2
<b>Water Heater (for one housing unit)</b>												
<b>Age</b>												
Less than 2 Years	11.4	0.4	0.8	1.2	1.9	1.9	2.2	3.0	1.3	1.8	3.0	11.1
2 to 4 Years	13.9	0.4	1.1	1.3	2.3	1.9	2.9	3.8	1.6	2.3	3.5	8.7
5 to 9 Years	21.4	0.5	1.5	2.0	4.4	3.4	4.2	5.5	2.1	3.0	5.4	7.6
10 to 19 Years	19.5	0.7	2.2	1.9	3.4	3.0	3.6	4.7	2.7	3.8	5.5	7.9
20 Years or More	7.5	0.3	1.1	1.0	1.7	1.2	0.9	1.3	1.0	1.5	2.8	13.0
Don't Know	11.3	1.0	1.8	1.8	2.3	1.3	1.8	1.4	3.0	3.7	5.0	9.5
<b>Size</b>												
Small	17.7	1.1	2.7	2.6	4.2	2.4	2.6	2.1	3.5	4.6	7.2	7.7
Medium	44.1	1.3	3.8	4.7	8.2	7.1	8.7	10.2	5.2	7.5	12.0	5.7
Large	18.0	0.4	1.1	1.3	2.7	2.3	3.7	6.3	1.7	2.4	3.9	9.5
Don't Know	5.2	0.4	0.8	0.6	0.8	0.7	0.7	1.0	1.3	1.5	2.2	14.0
<b>Other Appliances</b>												
<b>Electric</b>												
Air Cleaner	5.4	Q	0.2	0.4	0.9	0.7	1.1	1.8	0.3	0.6	0.9	15.0
Aquarium	4.1	0.1	0.2	0.3	0.7	0.5	0.9	1.5	0.5	0.7	1.0	15.7
Dehumidifier	9.1	Q	0.4	0.6	1.3	1.2	2.3	3.2	0.3	0.8	1.5	14.9
Evaporative Cooler	2.7	0.1	0.3	0.4	0.7	0.3	0.5	0.5	0.4	0.5	0.9	21.0
Humidifier	13.7	0.3	0.8	1.4	2.2	2.0	3.0	4.0	1.1	1.7	3.1	9.9
Microwave Oven	81.3	2.6	6.7	8.3	15.7	12.7	15.8	19.5	9.2	13.1	21.8	3.8
Toaster Oven	27.5	1.0	2.5	2.9	5.1	3.6	5.4	7.1	3.2	4.5	7.7	6.8
Outdoor Gas Light <sup>3</sup>	0.5	Q	Q	Q	Q	Q	0.2	0.2	Q	Q	Q	36.9
Outdoor Grill	27.5	0.3	0.5	1.3	3.9	4.8	7.1	9.6	1.0	1.9	3.6	8.4
Natural Gas	2.8	Q	Q	Q	0.4	0.4	0.7	1.2	Q	Q	0.2	23.2
LPG	24.8	0.3	0.5	1.3	3.6	4.4	6.4	8.3	0.9	1.8	3.4	9.1

<sup>1</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>2</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>3</sup> Gas includes LPG and natural gas.

<sup>4</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>5</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.19b. Appliances by Family Income, Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
		0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2		
<b>Water Heaters<sup>4</sup></b>	98.9	97.6	98.3	98.3	99.1	99.1	99.1	99.1	98.2	98.5	98.3	NE
Electric	38.4	38.5	38.4	38.5	42.5	43.5	37.9	32.0	37.8	39.1	38.9	5.3
For One Housing Unit	37.0	36.8	35.8	35.8	40.6	42.6	37.2	31.3	35.8	37.2	36.8	5.6
For Two or More Units <sup>5</sup>	1.4	Q	2.5	2.6	1.9	Q	0.6	Q	2.0	1.9	2.2	26.8
Natural Gas	53.0	51.0	51.6	53.4	49.9	47.7	53.6	59.5	52.2	51.0	51.5	4.5
For One Housing Unit	45.5	38.3	39.2	43.6	41.5	40.7	47.4	56.2	41.3	40.7	40.6	5.3
For Two or More Units <sup>5</sup>	7.5	12.8	12.4	9.8	8.4	6.9	6.2	3.3	10.9	10.2	10.9	13.8
Fuel Oil	4.1	4.2	4.1	3.5	3.0	3.9	4.8	5.0	4.4	4.2	4.0	14.9
For One Housing Unit	2.3	Q	Q	1.2	1.5	2.3	2.8	4.0	0.9	0.8	1.3	23.1
For Two or More Units <sup>5</sup>	1.9	Q	3.2	2.4	1.5	1.6	2.0	1.1	3.4	3.4	2.7	20.5
LPG	2.9	3.1	3.9	2.8	3.3	3.8	2.3	1.9	3.5	3.9	3.5	20.2
Other	0.5	Q	Q	Q	Q	Q	Q	0.8	Q	Q	0.4	45.9
<b>Water Heater (for one housing unit)</b>												
<b>Age</b>												
Less than 2 Years	11.8	9.6	7.6	11.1	10.2	13.3	12.7	14.3	9.0	9.2	9.8	10.5
2 to 4 Years	14.4	10.8	10.3	12.1	12.6	13.7	16.9	18.3	11.0	11.6	11.5	8.3
5 to 9 Years	22.2	12.3	13.8	18.2	23.9	24.0	24.1	26.2	14.8	15.5	17.7	6.9
10 to 19 Years	20.1	16.5	20.8	17.1	18.4	21.1	20.8	22.5	19.0	19.4	17.8	7.2
20 Years or More	7.8	6.2	10.4	8.9	9.3	8.5	5.4	6.3	7.0	7.8	9.0	12.6
Don't Know	11.7	23.8	16.8	16.0	12.6	9.1	10.3	6.4	20.7	19.0	16.4	9.2
<b>Size</b>												
Small	18.3	26.0	25.5	23.0	23.1	17.2	14.8	10.2	24.1	24.0	23.3	7.0
Medium	45.6	33.0	35.5	42.6	44.8	50.6	50.0	48.7	36.4	38.5	39.3	4.8
Large	18.6	9.4	10.9	12.0	14.7	16.7	21.4	30.1	11.8	12.3	12.6	8.7
Don't Know	5.4	10.9	7.9	5.8	4.5	5.1	4.0	5.0	9.1	7.8	7.0	13.8
<b>Other Appliances</b>												
<b>Electric</b>												
Air Cleaner	5.5	Q	2.2	3.8	5.2	5.0	6.4	8.8	2.4	2.9	3.1	14.6
Aquarium	4.3	3.0	1.5	2.9	3.7	3.4	5.2	7.0	3.4	3.7	3.3	15.6
Dehumidifier	9.4	Q	3.5	5.5	7.2	8.3	13.3	15.3	2.3	4.0	4.7	14.3
Evaporative Cooler	2.8	3.0	2.4	3.7	3.7	2.2	2.7	2.5	3.0	2.8	2.9	21.0
Humidifier	14.1	6.3	7.3	12.8	11.8	14.4	17.1	19.1	7.3	8.9	10.2	9.4
Microwave Oven	84.1	64.2	63.6	74.3	85.2	90.1	90.7	93.2	64.2	67.6	71.2	1.8
Toaster Oven	28.5	23.7	23.5	26.3	27.7	25.6	30.8	33.8	22.0	23.2	25.0	5.9
Outdoor Gas Light <sup>3</sup>	0.6	Q	Q	Q	Q	Q	1.1	1.0	Q	Q	Q	37.1
Outdoor Grill	28.5	6.9	5.1	11.9	21.4	34.5	40.4	45.6	7.0	9.6	11.6	8.1
Natural Gas	2.9	Q	Q	Q	2.0	2.9	3.8	5.9	Q	Q	0.6	23.3
LPG	25.7	6.3	4.9	11.4	19.4	31.6	36.7	39.8	6.6	9.2	11.0	8.8

<sup>1</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>2</sup> An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

<sup>3</sup> Gas includes LPG and natural gas.

<sup>4</sup> A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

<sup>5</sup> An unknown number may be heated by the space-heating system.

cf = Cubic feet.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)