

Major Household Appliances

1999

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Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

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These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

NOTE: Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Summary of Findings

In 1999, manufacturers' shipments of major household appliances increased 8 percent from \$15.6 billion in 1998 to \$16.9 billion. Shipments of household cooking equipment, including parts and accessories, totaled \$4.2 billion in 1999, a 6-percent increase from the 1998 value of \$4.0 billion. The value of household refrigerators and freezers, including parts and attachments, increased 2 percent, from \$5.1 billion in 1998 to \$5.2 billion in 1999. Shipments for household laundry equipment and parts increased 20 percent from \$3.5 billion in 1998 to \$3.5 billion in 1999. Shipments for household appliances, not elsewhere classified, increased 12 percent from \$1.9 billion in 1998 to \$2.1 billion in 1999.

Current
Industrial
Reports

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Vera Harris-Bourne, 301-457-1604.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

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Table 1. Value of Shipments of Major Household Appliances by Class of Product: 1992 to 1999
 [Millions of dollars]

Product code	Product description	1999	1998	1997	1996	1995	1994	1993	1992
3352211110	Electric household ranges, ovens, and surface cooking units, equipment, and parts	2,310.6	2,242.9	2,099.9	1,865.8	1,791.8	1,791.1	1,731.3	1,619.8
3352213000	Gas household ranges, ovens, and surface cooking units, equipment, and parts	764.8	696.7	606.8	544.6	654.1	649.6	621.5	599.6
3352215000	Other household ranges, cooking equipment and outdoor cooking equipment, including parts and accessories	1,124.1	1,029.0	1,082.0	1,004.0	911.6	872.7	786.1	750.0
3352221000	Household refrigerators, including combination refrigerator-freezers 1/.....	5,123.3	5,035.6	5,272.4	5,084.4	4,739.4	4,882.1	4,310.3	3,937.6
3352222000	Food freezers, complete units, for freezing and/or storing frozen food (household type) 1/.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3352223000	Parts and attachments for household refrigerators and freezers	94.0	89.7	155.8	160.7	111.8	84.7	73.7	78.7
3352240000	Household laundry machines and parts	4,029.7	3,327.3	3,191.5	3,217.9	3,095.4	3,361.4	3,389.4	2,961.7
3352281000	Water heaters, electric	580.0	541.3	552.3	558.8	513.0	516.4	473.4	401.0
3352283000	Water heaters (except electric)	842.8	810.7	748.7	764.6	681.8	748.8	700.0	586.5
3352285000	Household appliances, n.e.c., and parts	2,084.3	1,867.9	1,671.4	1,601.6	1,579.2	1,624.3	1,305.6	1,276.5

D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified.

1/For the years 1992 through 1999, product codes 3352222000 and 3352221000 are combined to avoid disclosing data for individual companies.

Table 2. Quantity and Value of Shipments of Major Household Appliances: 1999 and 1998
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Number of companies	1999		1998	
			Quantity	Value	Quantity	Value
	Major household appliances	(NA)	(X)	16,859.7	(X)	15,551.4
3352211	Electric ranges, ovens, and surface cooking units, equipment and parts	17	8,625.7	2,310.6	8,625.3	2,242.9
	Free-standing ranges (widths are based on outside dimensions):					
3352211311	Under 23 (58.4 cm) inches in width, all types, including apartment house type	3	(D)	(D)	(D)	(D)
3352211313	23 (58.4 cm) inches up to and including 32 (81.3 cm) inches in width	8	3,485.6	1,140.4	3,371.5	1,078.5
3352211315	33 (83.8 cm) inches and over in width, all types	3	(D)	(D)	(D)	(D)
	Other than free-standing:					
	Built-in ranges:					
	Built-in ovens:					
3352211417	Single oven	8	416.0	254.5	382.5	230.8
3352211419	Two ovens	6	147.9	132.1	176.7	145.4
3352211421	Surface cooking tops	7	416.3	129.8	406.3	118.6
3352211423	Drop-in ranges	3	(D)	(D)	(D)	(D)
3352211525	Microwave ranges and ovens, including combination microwave/electric ranges and built-in ovens that utilize microwave and electrothermal energy in one or more of the oven cavities	4	85.6	91.6	80.5	81.1
3352211527	Microwave ovens, including counter top, built-in, and wall or cabinet-hung ovens	3	(D)	(D)	(D)	(D)
3352211290	Parts and accessories for household electric ranges and ovens, such as burners, rotisseries, oven racks, and broiler pans, sold separately	11	(X)	112.0	(X)	123.1
3352213	Gas household ranges, ovens, and surface cooking units, equipment, and parts	15	1,942.4	764.8	1,888.8	696.7
	Standard type, free-standing:					
3352213111	Over 32 (81.3 cm) inches cooking top and oven 1/	5	(D)	(D)	(D)	(D)
3352213113	Over 24 (61 cm) inches to 32 (81.3 cm) inches cooking top and oven 1/	6	(D)	(D)	(D)	(D)
3352213115	Apartment ranges, 24 (61 cm) inches cooking top and under	3	195.6	37.3	201.2	38.2
3352213117	Standard type, for built-in installation (built-in or stack-on oven broiler unit)	4	56.4	24.6	57.4	24.3
3352213119	Surface cooking tops (one or more burners)	7	283.3	120.0	263.6	100.6
3352213121	Nonstandard types, including wall-hung, slide-in, or drop-in	6	287.9	90.6	254.5	77.8
3352213123	Other gas household ranges, ovens, hot plates, and surface cooking units, not listed above	2	(D)	(D)	(D)	(D)
3352213190	Parts and accessories for gas household ranges and ovens, such as burners, rotisseries, oven racks, and broiler pans, sold separately	11	(X)	84.4	(X)	61.9
3352215	Other household ranges and cooking equipment (except gas and electric) and outdoor cooking equipment, including parts and accessories	25	11,890.0	1,124.1	10,748.0	1,029.0
	Barbecuers, grills, stoves, braziers, etc., for outdoor cooking and other cooking:					
	Portable units:					
3352215111	Gas fuel or both gas and other fuel	16	5,502.2	776.8	5,065.8	686.2

Continued

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 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Number of companies	1999		1998	
			Quantity	Value	Quantity	Value
3352215113	Solid fuel (charcoal, wood, coal, etc.)	10 b/	5,760.5 a/	161.7	5,111.6	146.0
3352215115	Liquid fuel (oil, kerosene, etc.)	3 b/	481.2 b/	56.3	456.7	50.7
3352215117	All other outdoor and other cooking equipment	6	146.1	22.0	113.9	14.6
3352215190	Parts and accessories for outdoor and other cooking equipment, sold separately	14	(X)	107.3	(X)	131.5
3352221	Household refrigerators, including combination refrigerator-freezers 2/	13	11,715.5	5,123.3	11,279.0	5,035.6
	Compression type, fitted with separate external doors, including all combinations with two or more external doors:					
3352221011	9.4 cu. ft. and under (under 269 liters)	2	(D)	(D)	(D)	(D)
3352221013	9.5 to 13.4 cu. ft. (269 liters but under 382 liters)	2	(D)	(D)	(D)	(D)
3352221015	13.5 to 15.4 cu. ft. (382 liters but under 438 liters)	2	(D)	(D)	(D)	(D)
3352221017	15.5 to 17.4 cu. ft. (438 liters but under 495 liters)	3	715.7	222.9 r/	677.7 r/	208.1
3352221019	17.5 to 19.4 cu. ft. (495 liters but under 552 liters)	6	2,713.3	974.3 r/	2,571.7 r/	1,182.6
3352221021	19.5 to 21.4 cu. ft. (552 liters but under 608 liters)	4	1,105.2	628.0 r/	1,137.9 r/	655.5
3352221023	21.5 to 24.4 cu. ft. (608 liters but under 693 liters)	5	1,554.9	1,048.2 r/	1,349.8 r/	963.2
3352221025	24.4 cu. ft. and over (693 liters and over)	6	1,438.2	1,262.8	1,281.1	1,091.1
	Compression type, fitted with only one external door:					
3352221027	6.4 cu. ft. and under (under 184 liters)	5	854.8	137.5	849.9	129.8
3352221029	6.5 cu. ft. and over (184 liters and over)	3	(D)	(D)	(D)	(D)
3352221031	Other household refrigerators	3	(D)	(D)	(D)	(D)
3352222	Food freezers, complete units, for freezing and/or storing frozen food (household type) 2/	5	(D)	(D)	(D)	(D)
3352222011	Upright type freezers	5	(D)	(D)	(D)	(D)
3352222013	Chest type freezers	2	(D)	(D)	(D)	(D)
3352223000	Parts and attachments for household refrigerators and freezers, excluding compressors and condensing units and ice-making machines	13	(X)	94.0	(X) r/	89.7
3352240	Household laundry machines (household type defined as having dry linen capacity not exceeding 10 kg (22 lbs.))	6	14,750.9	4,029.7	12,145.4	3,327.3
	Washing machines, mechanical (electric):					
3352240211	Coin-operated 3/	4	(D)	(D)	(D)	(D)
3352240213	Noncoin-operated	6	7,990.9	2,277.1	7,503.9	2,121.9
3352240215	Other washing machines, including machines with a built-in centrifugal drier and gasoline driven 3/	2	(D)	(D)	(D)	(D)
	Dryers, mechanical (incorporating heat):					
3352240317	Gas (noncoin-operated)	6	1,382.4	372.1	1,157.1	309.8
3352240319	Electric (noncoin-operated)	6	4,665.6	1,016.4	2,961.1	632.3
3352240321	Coin-operated	4	103.2	47.1	87.1	37.9
	Parts, accessories, and attachments for household laundry equipment, sold separately	10	(X)	155.9	(X)	159.5
3352240191	For household washing machines	9	(X)	147.8	(X)	150.3

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 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Number of companies	1999		1998	
			Quantity	Value	Quantity	Value
3352240195	For household drying machines	5	(X)	8.0	(X)	9.2
3352281	Water heaters, electric (for permanent installation)	10	4,429.4	580.0	a/ 4,170.5	a/ 541.3
	Storage type:					
3352281011	34 gallons and under (under 132 liters)	7	977.4	116.0	886.0	107.1
3352281013	35 to 44 gallons (132 liters but under 170 liters)	7	1,579.8	196.1	b/ 1,505.5	b/ 183.7
3352281015	45 to 54 gallons (170 liters but under 208 liters)	5	1,175.4	160.1	b/ 1,112.6	a/ 150.6
3352281017	55 gallons and over (208 liters and over)	6	367.8	73.1	344.4	68.1
3352281019	Other types, including circulating and portable storage	5	329.0	34.7	a/ 322.0	a/ 31.8
3352283	Water heaters (except electric)	11	5,954.4	842.8	a/ 4,850.3	a/ 810.7
	Direct-fired water heaters:					
3352283011	Gas 4/.....	9	(D)	(D)	(D)	(D)
3352283013	Oil 4/.....	3	(D)	(D)	(D)	(D)
3352283015	Indirect water heaters, including storage, cast or coil type (less tank); tanks (with or without generator coils); generator coils with tank collar (sold without tank); and instantaneous	6	132.6	28.6	113.6	22.8
3352285	Other household type appliances and parts, n.e.c.	20	14,443.2	2,084.3	14,110.8	1,867.9
	Dishwashing machines:					
3352285111	Portable type, including convertible type	4	(D)	(D)	(D)	(D)
3352285113	Built-in type	4	5,673.5	1,394.7	5,184.1	1,211.9
3352285117	Food waste disposals (all sizes, of the electromechanical comminutor type, operating in conjunction with household plumbing systems of the type generally used in residences)	3	(D)	(D)	(D)	(D)
3352285119	Household trash compactors	2	(D)	(D)	(D)	(D)
	Parts for other household appliances, n.e.c.:					
3352285193	For electric water heaters	5	(X)	21.5	(X)	22.1
3352285195	For nonelectric water heaters	4	(X)	16.9	(X) b/	17.7
3352285197	For dishwashing machines	9	(X)	37.1	(X) r/	38.4
3352285199	For other major household appliances, n.e.c.	3	(X)	(D)	(X)	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Product codes 3352213111 and 3352213113 have a combined total of 1,117,317 for quantity and 404,197 for shipments for 1999 and 1,108,299 for quantity and 388,175 for shipments for 1998.

2/Product class 3352222 and 3352221 have been combined.

3/Product codes 3352240211 and 3352240215 have a combined total of 608,790 for quantity and 436,045 for shipments for 1999 and 436,045 for quantity and 225,393 for shipments for 1998.

4/Product codes 3352283011 and 3352283013 have a combined total of 5,821,854 for quantity and 814,173 for shipments for 1999 and 4,736,689 for quantity and 787,948 for shipments for 1998.

Note: The percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item has been estimated. b/26 to 50 percent of this item has been estimated. c/Over 50 percent of this item has been estimated.

Table 3. Shipments, Exports, and Imports of Major Household Appliances: 1999
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
3352211311, 3352211313, 3352211315, 3352211417, 3352211419, 3352211421, 3352211423, 3352211525	Electric ranges, ovens, surface cooking units, microwave oven combinations	(D)	(D)	80.8	49.0	9,983.8	379.3
3352211527	Microwave ovens	(D)	(D)	492.0	65.3	(X)	(X)
3352211290	Parts and accessories for electric ranges and ovens	(X)	112.0	(X)	246.5	(X)	160.2
3352213111, 3352213113, 3352213115, 3352213117, 3352213119, 3352213121, 3352213123	Gas ranges, ovens, and surface cooking units	1,942.4	680.4	102.4	40.5	1,449.4	295.9
3352213190	Parts and accessories for gas ranges and ovens and other cooking equipment	(X)	84.4	(X)	20.2	(X)	65.6
	Other household ranges and cooking equipment, including barbecuers, grills, stoves, braziers, etc., (except gas and electric) for outdoor cooking, and other cooking:						
3352215111	Gas fuel or both gas and other fuel	5,502.2	776.8	603.3	56.6	(X)	(X)
3352215113	Solid fuel (charcoal, wood, and coal)	5,760.5	161.7	140.4	18.4	3,334.2	35.1
3352215115	Liquid fuel (oil, and kerosene)	481.2	56.3	176.8	6.1	224.5	6.8
3352215117, 3352215190	All other outdoor cooking equipment	146.1	129.3	49.6	5.7	127.5	8.8
	Compression type refrigerators, fitted with separate external doors, including all combinations with two or more external doors:						
3352221011	9.4 cu. ft. and under (under 269 liters)	(D)	(D)	46.4	17.5	161.0	25.0
3352221013	9.5 to 13.4 cu. ft. (269 liters but under 382 liters)	(D)	(D)	24.2	8.6	161.0	38.0
3352221015, 3352221017, 3352221019, 3352221021, 3352221023, 3352221025	13.5 cu. ft. and over (382 liters and over)	(D)	(D)	823.3	430.1	358.3	117.8
	Compression type refrigerators, fitted with one external door:						
3352221027	6.4 cu. ft. and under (under 184 liters).....	854.8	137.5	34.1	16.5	2,105.7	198.8
3352221029	6.5 cu. ft. and over (184 liters and over)	(D)	(D)	175.6	98.0	273.8	53.7
3352221031	Other household refrigerators, non-compression, fitted with one external door	(D)	(D)	145.0	55.7	200.0	89.1
3352222011	Freezers, upright type	(D)	(D)	104.3	39.3	133.2	26.9
3352222013	Freezers, chest type	(D)	(D)	129.2	31.0	303.5	51.1
3352240211	Fully automatic electric washing machines (coin-operated)	(D)	(D)	79.6	25.5	8.1	5.3
3352240213	Fully automatic electric washing machines (noncoin-operated)	7,990.9	2,277.1	518.8	189.6	777.2	60.3
3352240215	Other washing machines	(D)	(D)	31.2	14.2	1.6	0.8
3352240317, 3352240319	Dryers (noncoin-operated) and other drying equipment	6,048.0	1,388.5	12.0	4.6	4.5	0.9

Continued

Table 3. Shipments, Exports, and Imports of Major Household Appliances: 1999
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
3352240321	Dryers (coin-operated)	103.2	47.1	464.9	96.6	730.7	118.1
3352281011, 3352281013, 3352281015, 3352281017	Water heaters, electric, storage type	4,100.4	545.3	(NA)	(NA)	(NA)	(NA)
3352281019	Water heaters, electric, other	329.0	34.7	(NA)	(NA)	(NA)	(NA)
3352283011, 3352283013	Water heaters, nonelectric, direct fired, gas or oil	(D)	(D)	(NA)	(NA)	(NA)	(NA)
3352283015	Water heaters, nonelectric, indirect fired, other than gas or oil	132.6	28.6	(NA)	(NA)	(NA)	(NA)
3352285111, 3352285113	Other household type appliances, n.e.c.: Dishwashing machines, household	5,673.5	1,394.7	412.5	94.3	215.8	65.0
3352285117, 3352285119	Food waste disposals	(D)	(D)	207.4	14.8	46.2	1.0
3352285193, 3352285195, 3352285197, 3352285199	Parts for other major household appliances	(X)	(D)	(X)	11.5	(X)	69.0

D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified.
 X Not applicable.

1/For comparison of North American Industry Classification System-Based codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

Note: Detail may not add to total because of rounding.

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
3352211311, 3352211313, 3352211315, 3352211417, 3352211419, 3352211421, 3352211423, 3352211525	Electric ranges, ovens, and surface cooking units, microwave oven combinations	8516.60.4000	8516.60.4060 8516.60.4070 8516.60.4080
3352211527	Microwave ovens	8516.50.0000	8516.50.0000
3352211290	Parts and accessories for electric ranges and ovens	8516.90.1700 8516.90.2700 8516.90.9500	8516.90.3500 8516.90.4500 8516.90.5000 8516.90.5500 8516.90.6500 8516.90.7500 8516.90.8000
3352213111, 3352213113, 3352213115, 3352213117, 3352213119, 3352213121, 3352213123	Gas ranges, ovens, and surface cooking units	7321.11.5000	7321.11.3000 7321.11.6000
3352213190	Parts and accessories for gas ranges and ovens and other cooking equipment	7321.90.6050	7321.90.1000 7321.90.2000 7321.90.4000 7321.90.5000 7321.90.6030
3352215111	Gas fuel or both gas and other fuel	7321.11.1000	7321.11.1000
3352215113	Solid fuel (charcoal, wood, coal, etc.)	7321.13.0050	7321.13.0020 7321.13.0040
3352215115	Liquid fuel (oil, kerosene, etc.)	7321.12.0000	7321.12.0000
3352215117, 3352215190	All other outdoor and other cooking equipment	7321.13.0070	7321.13.0060 7321.13.0080
	Compression type refrigerators, fitted with separate external doors (including all combinations with two or more external doors):		
3352221011	9.4 cu. ft. and under (under 269 liters)	8418.10.0010	8418.10.0010
		8418.10.0020	8418.10.0020
3352221013	9.5 to 13.4 cu. ft. (269 liters to under 382 liters)	8418.10.0030	8418.10.0030
3352221015, 3352221017, 3352221019, 3352221021, 3352221023, 3352221025	13.5 cu. ft. and over (382 liters and over)	8418.10.0040	8418.10.0040

Continued

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/
	Compression type, fitted with one external door:		
3352221027	6.4 cu. ft. and under (under 184 liters)	8418.21.0010	8418.21.0010
3352221029	6.5 cu. ft. and over (184 liters and over)	8418.21.0020	8418.21.0020
		8418.21.0030	8418.21.0030
		8418.21.0090	8418.21.0090
		8418.22.0000	8418.22.0000
3352221031	Other household refrigerators, noncompression, fitted with one external door	8418.10.0090 8418.29.0000	8418.10.0090 8418.29.0000
3352222011	Freezers, upright type	8418.40.0000	8418.40.0000
3352222013	Freezers, chest type	8418.30.0000	8418.30.0000
3352240211	Fully automatic washing machines, electric (coin-operated)	8450.11.0010	8450.11.0010
3352240213	Fully automatic washing machines, electric (noncoin-operated)	8450.11.0090	8450.11.0040 8450.11.0080
3352240215	Other washing machines	8450.12.0000 8450.19.0000	8450.12.0000 8450.19.0000
3352240317, 3352240319	Dryers (noncoin-operated) and other drying equipment	8451.21.0010	8451.21.0010
3352240321	Dryers (coin-operated)	8451.21.0090	8451.21.0090
3352285111, 3352285113	Dishwashing machines, household	8422.11.0000	8422.11.0000
3352285117, 3352285119	Food waste disposals	8509.30.0000	8509.30.0000
3352285193, 3352285195, 3352285197, 3352285199	Parts for other major household appliances	8422.90.0200 8509.90.2500 8509.90.4500	8422.90.0200 8422.90.0400 8422.90.0640 8509.90.2500 8509.90.3500

1/Source: 1999 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (1999).