

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 1998 Manufacturing Profiles, issued December 2000.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

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/](http://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](http://www.census.gov/epcd/www/naics.html).

#### SUMMARY OF FINDINGS

During 2000, the total value of shipments of motors and generators, including interplant transfers, totaled \$12.0 billion, down 2 percent from the revised 1999 value of \$12.3 billion. The 2000 data for individual categories of motors and generators exhibited the following changes: The value of shipments of fractional horsepower motors decreased 1 percent, from the revised value of \$4.8 billion in 1999 to \$4.7 billion in 2000. The integral horsepower motors and generators decreased 6 percent from the revised value of \$1.8 billion in 1999 to \$1.7 billion in 2000. The value of land transportation motors and generators was combined with parts for motors and generators to avoid disclosing data for individual companies. The value of shipments of prime mover generator sets remained at \$3.1 billion in 2000. Electric motor generator sets remained at \$1.7 billion in 2000.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Tempie Whittington, 301-457-4800.

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Table 1. Value of Shipments of Motors and Generators by Product Class: 1995 to 2000  
 [Millions of dollars]

Product code	Product description	2000	1999	1998	1997	1996	1995
335312	Motors and generators.....	12,009.3	r/ 12,312.4	12,180.9	10,545.8	10,269.2	10,395.5
3353121	Fractional horsepower motors, excluding hermetics.....	4,692.6	r/ 4,764.0	4,683.5	4,715.6	4,358.3	4,766.2
3353123	Integral horsepower motors and generators, other than for land transportation equipment.....	1,690.6	1,802.7	1,981.6	2,246.0	2,337.5	2,134.7
3353125	Land transportation motors, generators, and control equipment 1/.....	(D)	(D)	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets (except steam or hydraulic turbine).....	3,139.6	3,107.3	2,811.8	1,734.8	1,505.1	1,480.6
3353129, 12A	Electric motor-driven generator sets.....	1,678.6	1,676.8	1,598.2	954.7	1,029.6	944.2
335312C	Parts for motors and generators 1/.....	807.8	r/ 961.6	1,105.7	894.8	1,038.6	1,069.8

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/Product code 3353125 is combined with product code 335312C to avoid disclosing data for individual companies.

Table 2. Quantity and Value of Shipments of Motors and Generators: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000			1999				
			Quantity	Value	Quantity	Value				
335312	Motors and generators .....	(NA)	(X)	12,009,300		(X)	r/	12,312,373		
3353121	Fractional horsepower, excluding hermetics and other rotating equipment .....	(NA)	263,315,789	4,692,630	r/	290,227,369	r/	4,763,969		
3353121001	Used in automobile accessories (such as heaters, convertible tops, automatic windows, etc., excluding starter motors and generators), including ac and dc .....	13	c/	114,580,939	c/	1,459,060	c/	127,164,458	c/	1,654,343
	Used in aircraft and spacecraft, excluding generators:									
3353121004	Ac .....	15	a/	87,656	b/	33,581	a/	100,812	b/	37,583
3353121007	Dc .....	17		(D)		(D)		(D)		(D)
3353121011	Used in toys (all sizes) and clock type synch and subsynch timing, ac and dc .....	4		(D)		(D)		(D)		(D)
	All other uses:									
	Ac (noncommutated) .....	(NA)	113,311,386	2,232,974	r/	122,452,867	r/	2,126,400		
	Single phase or polyphase:									
33531210X2, 0X3	Less than 746 watts, under 1 hp (three digit FS) 1/ .....	(NA)	64,120	10,089		63,813		9,891		
	Single phase:									
3353121012	Skeleton type shaded pole (use diameter at widest part) .....	13	b/	19,127,536	b/	120,288	a/	23,556,598	a/	132,792
	Conventional type shaded pole .....	(NA)	42,700,607	409,663		50,983,139		463,863		
3353121019	Less than 2.5-inch diameter .....	14		(D)		(D)		(D)		
	2.5- to less than 3.75-inch diameter:									
3353121022	2 pole .....	10		(S)		130,776		6,744,706		141,468
3353121026	4 pole and over .....	6	b/	13,956,367	b/	117,102	c/ r/	14,402,027	c/ r/	125,145
3353121031	3.75- to less than 4.375-inch diameter .....	4		(D)		(D)		(D)	(D)	
3353121033	4.375-inch diameter and over .....	7	a/	4,760,660	a/	42,483		10,886,804	a/	74,300
	Permanent split capacitor .....	(NA)	20,346,976	445,942	r/	22,394,993	r/	512,173		
	Less than 3.75-inch diameter:									
3353121045	2 pole .....	9		1,985,054		45,173		1,803,600		52,615
3353121048	4 pole and over .....	13	b/	2,284,623		32,547	a/ r/	2,291,403	a/ r/	35,032
3353121051	3.75- to less than 4.375-inch diameter .....	10		(D)		(D)		(D)		(D)
	4.375 to less than 5.375 diameter:									
3353121062	2 pole and 4 pole .....	13		2,097,824		34,432	r/	4,529,592	a/ r/	83,889
3353121067	6 pole and over .....	5	b/	480,264	b/	12,302	b/ r/	749,962	c/ r/	16,434
	5.375-inch diameter and over:									
3353121072	Less than 746 watts, under 1 hp (two-digit FS) .....	21	c/	5,762,836	c/	234,074	b/	6,783,086	b/	238,667
3353123005	746 watts and over, 1 hp and over (two-digit FS) 2/ .....	4		(D)		(D)		(D)		(D)
	Capacitor start .....	(NA)	2,210,543	169,096	r/	2,263,859	r/	172,742		
3353121081	Less than 4.375-inch diameter .....	4		(D)		(D)		(D)	(D)	
3353121082	4.375- to less than 5.375-inch diameter .....	8	c/	130,568		7,073		125,051		6,674
	5.375-inch diameter and over:									
3353121086	Less than 746 watts, under 1 hp (two-digit FS) .....	15	a/	1,739,239	a/	127,427	b/ r/	1,815,781	a/ r/	130,416
3353123013	746 watts and over, 1 hp and over (two-digit FS) 2/ .....	8		(D)		(D)		(D)		(D)
	Split phase .....			(D)		(D)		(D)		(D)
3353121092	Less than 746 watts, under 1 hp (two-digit FS) .....	17		(D)		(D)		(D)		(D)
3353123023	746 watts and over, 1 hp and over (two-digit FS) 2/ .....	4		(D)		(D)		(D)		(D)
	All other single phase.....			(D)		(D)		(D)		(D)
3353121095	Less than 746 watts, under 1 hp (two-digit FS) .....	8		(D)		(D)		(D)		(D)
3353123027	746 watts and over, 1 hp and over (two-digit FS) 2/ .....	6		(D)		(D)		(D)		(D)
	Polyphase (servo and nonservo) .....	(NA)	3,413,909	315,010	r/	3,090,591	r/	240,021		
33531210B1	Synchronous stepper motors .....	8		(D)		(D)		(D)		(D)
	All other polyphase:									
3353121098	Less than 746 watts, under 1 hp (two-digit FS) .....	15		1,551,857		158,968	a/ r/	1,337,425	a/ r/	124,193
3353123029	746 watts and over, 1 hp and over (two-digit FS) .....	8		(D)		(D)		(D)		(D)
	Ac (commutated) .....	(NA)	21,152,631	398,623		25,425,380	r/	329,290		

Table 2. Quantity and Value of Shipments of Motors and Generators: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000			1999		
			Quantity	Value	Quantity	Value		
	Mechanically commutated (brushes, for example):							
	Cased or sleeved:							
33531210C7	Less than 2.875-inch diameter .....	15	6,796,973	77,762	6,984,882	r/	80,988	
33531210E1	2.875- to less than 3.188-inch diameter .....	10	c/ 3,440,420	b/ 47,580	b/ r/ 3,955,081	a/ r/	57,571	
33531210E4	3.188- to less than 3.563-inch diameter .....	12	261,577	b/ 15,696	r/ 191,633	r/	14,321	
	3.563 inch diameter and over:							
33531210E7	Less than 746 watts, under 1 hp (two-digit FS) .....	8	231,096	28,074	224,114		26,465	
3353123034	746 watts and over, 1 hp and over (two-digit FS) .....	9	a/ 66,064	39,921	64,667		43,080	
	Uncased:							
33531210G5	Less than 746 watts, under 1 hp (two-digit FS) .....	8	10,131,393	98,831	11,695,375		110,507	
3353123038	746 watts and over, 1 hp and over (two-digit FS) .....	4	(D)	(D)	(D)		(D)	
	Dc or universal motors by case size .....	(NA)	14,270,833	666,386	15,184,664		622,454	
	Permanent magnet (brushless):							
	Servo:							
33531210G7	Less than 4-inch diameter .....	22	a/ 4,871,145	b/ 143,121	r/ 5,016,899	r/	149,406	
33531210H1	4-inch diameter and over .....	15	a/ 96,790	b/ 46,203	b/ r/ 109,865	b/ r/	47,241	
	Nonservo:							
33531210H4	Less than 4-inch diameter .....	22	6,141,807	161,092	7,338,724		177,530	
33531210H7	4-inch diameter and over .....	16	570,162	81,565	458,256		66,723	
33531210J1	Wound field .....	9	c/ 104,510	b/ 10,966	c/ 104,483	b/	10,732	
33531210J4	Electronically commutated .....	10	c/ 2,036,381	c/ 130,451	c/ 1,927,910	c/	119,466	
	All other .....							
33531210J7	Servo .....	14	b/ 391,922	b/ 79,723	b/ 187,720	b/	39,133	
33531210K1	Nonservo .....	7	a/ 58,116	b/ 13,265	a/ 40,807	a/	12,223	
3353123	Integral horsepower, excluding hermetics and other rotating equipment .....	(NA)	6,493,421	1,690,643	6,359,752		1,802,727	
3353123001	Used in aircraft and spacecraft, excluding generators .....	2	(D)	(D)	(D)		(D)	
	All other uses:							
	Ac (noncommutated) .....	(NA)	2,481,614	1,210,031	2,459,737		1,212,402	
	Motors:							
	Single phase .....	(NA)	375,791	77,037	359,240		73,259	
33531210K4	Less than 746 watts, under 1 hp (three-digit FS) 1/ .....	4	(D)	(D)	(D)		(D)	
3353123041	746 watts and over, 1 hp and over 2/ .....	14	(D)	(D)	(D)		(D)	
33531230X4	746 watts and over, 1 hp and over 2/ .....	(NA)	914,862	131,059	853,982		123,270	
	Polyphase induction, excluding synchronous .....	(NA)	2,105,823	1,132,994	2,100,497		1,139,143	
	All motors, including Energy Efficient (EE):							
33531210K7	Less than 0.746 watts, less than 1hp (three-digit FS) 1/ .....	7	(D)	(D)	(D)		(D)	
3353123043	0.746 to 3.371 kW, 1 through 5 hp .....	29	b/ 1,208,198	a/ 205,453	1,253,812		205,957	
3353123046	3.731 to less than 14.921 kW, greater than 5 through 20 hp .....	30	602,504	216,372	538,363		191,364	
3353123049	14.921 to less than 37.301 kW, greater than 20 through 50 hp .....	26	170,049	152,945	185,047		158,207	
3353123052	37.301 to less than 74.601 kW, greater than 50 through 100 hp .....	22	53,594	113,897	a/ 51,726	a/	115,107	
3353123055	74.601 to less than 149.201 kW, greater than 100 through 200 hp .....	22	26,224	107,339	24,952	a/	105,357	
3353123058	149.201 to less than 373.001 kW, greater than 200 through 500 hp .....	22	a/ 15,695	164,506	a/ r/ 16,472	a/ r/	175,425	
3353123061	373.001 to less than 746.001 kW, greater than 500 through 1,000 hp .....	11	b/ 2,852	54,256	a/ r/ 3,021		71,865	
3353123064	746.001 to less than 1,865.001 kW, greater than 1,000 through 2500 hp .....	6	(D)	(D)	(D)		(D)	
3353123067	1,865.001 kW and over, greater than 2,500 hp .....	5	(D)	(D)	(D)		(D)	

Table 2. Quantity and Value of Shipments of Motors and Generators: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
	Energy Efficient motors, included in product codes 3353123043 to 3353123055 .....	(NA)	595,944	325,401	469,381	302,410
33531230E1	0.746 to 3.371 kW, 1 through 5 hp .....	14	242,900	49,810	187,595	49,413
33531230E3	3.731 to less than 14.921 kW, greater than 5 through 20 hp .....	14 a/	224,353	74,300	158,919	58,481
33531230E5	14.921 to less than 37.301 kW, greater than 20 through 50 hp .....	14	82,222	70,146	78,658	68,415
33531230E7	37.301 to less than 74.601 kW, greater than 50 through 100 hp .....	13	28,939	61,054	27,542	62,892
33531230E9	74.601 to less than 149.201 kW, greater than 100 through 200 hp .....	12	17,530	70,091	16,667	63,209
3353123085	Synchronous (servo and nonservo) engines) .....	6	(S) a/	21,531	(S) r/	20,841
	Ac generators (for internal combustion engines) .....	(NA)	(S)	275,358	(S) r/	370,746
3353123089	Less than 15 kVA .....	11 a/	30,433	23,214	(D)	(D)
3353123098	15 to less than 375 kVA .....	10	(S) a/	65,117	(S) b/	76,748
33531230A1	375 to less than 750 kVa .....	6	9,469	46,718	b/	55,275
33531230A4	750 kVa and over .....	4	(S) c/	140,309	(S)	135,772
	Dc motors and generators, excluding all arc welding and battery charging generators for internal combustion engines .....	(NA)	(S)	179,576	(S) r/	194,568
33531230A7	0.746 to less than 3.375 kW, 1 through 5 hp .....	16	(S)	132,195	(S)	144,808
33531230B1	3.375 to less than 74.601 kW, 5 through 100 hp .....	7	7,486	31,258	a/ r/	32,857
33531230B4	74.601 kW and over, greater than 100 hp .....	5	1,265	16,123	r/	16,903
3353125	Motors and generators for land transportation, including those used in associated control equipment 3/ .....	10	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets (except steam or hydraulic turbine and electric motor-driven generator sets).....	(NA)	(S)	3,139,591	(S)	3,107,280
	Gas/gasoline engine-driven generator sets, ac and dc output .....	(NA)	(S)	646,237	(S) r/	942,049
3353127003	Less than 5 kW .....	12 b/	190,888	73,287	b/	103,698
3353127007	5 to less than 15 kW .....	18	(D)	(D)	(D)	(D)
3353127011	15 to less than 50 kW .....	13 c/	7,739	53,878	c/	72,984
3353127013	50 to less than 100 kW .....	10 a/	2,866	40,081	b/	38,240
3353127017	100 kW and over .....	8	(D)	(D)	(D)	(D)
	Diesel engine-driven generator sets, ac and dc output .....	(NA)	66,786	1,831,396	60,615	1,607,766
3353127025	Under 15 kVA .....	14 c/	16,034	97,357	a/	97,288
3353127028	15 to less than 50 kVA .....	21 c/	13,680	122,495	c/	118,028
3353127031	50 to less than 100 kVA .....	18 c/	11,026	122,370	c/	124,149
3353127034	100 to less than 200 kVA .....	17 a/	6,423	126,365	a/	123,710
3353127037	200 to less than 400 kVA .....	14	(D)	(D)	(D)	(D)
3353127041	400 to less than 600 kVA .....	10	(D)	(D)	(D)	(D)
3353127043	600 to less than 800 kVA .....	14 a/	2,939	199,257	a/	181,419
3353127046	800 to less than 1,000 kVA .....	10	(D)	(D)	(D)	(D)
3353127049	1,000 to less than 2,000 kVA .....	10	(D)	(D)	(D)	(D)
3353127051	2,000 kW and over .....	5	(D)	(D)	(D)	(D)
9993336110	Gas turbine-driven generator sets (all sizes) .....	7	(S)	(S)	(S)	(S)
3353127065	Other generator set units, including dual fuel (oil and gas) engine-driven generator sets and ac/dc output, excluding electric motor-driven generator sets .....	3	(D)	(D)	(D)	(D)
3353129, 12A	Electric motor-driven generator sets .....	(NA)	(S) b/	1,678,637	(S)	1,676,831
	Electric motor-driven generator sets, including dynamotors, converters, inverters, and frequency changers:					
3353129003	Less than 746watts ac and dc output rating .....	7	47,921	8,728	11,750	4,351
335312A003	746watts or more ac and dc output rating .....	11 b/	3,829	15,441	r/	17,321

Table 2. Quantity and Value of Shipments of Motors and Generators: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000		1999	
			Quantity	Value	Quantity	Value
3353129011	All hermetic motors ..... 5.5-inch stator core diameters and smaller .....	(NA) 10	(S) 9,433,748	783,308 268,379	(S) r/ 11,415,094 r/	759,566 264,696
335312A011	Over 5.5-inch stator core diameters..... All other rotating equipment, including rate generators, resolvers, and synchro-type components .....	11 (NA)	(S) 689,919	514,929 219,064	(S) b/ r/ 685,431 r/	494,870 200,915
3353129014	Rated at less than 746 watts.....	15	(S) b/	189,378	(S) a/	168,619
335312A014	Rated at 746 watts or more.....	10	(S) a/	29,686	(S)	32,296
335312C	Parts for motors and generators regardless of output rating 3/ .....	(NA)	(X)	807,799	(X) r/	961,566
335312C001	Commutators .....	10	(X)	(D)	(X)	(D)
335312C004	Land transportation .....	3	(X)	(D)	(X)	(D)
335312C007	All other parts .....	73	(X)	(D)	(X)	(D)

D Withheld to avoid disclosing data for individual companies. FS Frame size. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

1/Data are included in product code 33531210X2, 0X3.

2/Data are included in product code 33531230X4.

3/Industries 3353125 and 335312C are combined to avoid disclosing data for individual companies.

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

Table 3. Quantity and Value of Total Shipments and Interplant Transfers of Motors and Generators and Quantity of Motors and Generators Produced and Incorporated Into Other Products at the Same Establishment: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	Total shipments, including interplant transfers		Interplant transfers		Produced and incorporated (quantity)
		Quantity	Value	Quantity	Value	
2000						
335312	Motors and generators:					
3353121	Fractional horsepower motors, excluding hermetics.....	263,315,789	4,692,630	30,817,238	346,294	34,042,572
3353123	Integral horsepower motors and generators, excluding hermetics.....	6,493,421	1,690,643	(D)	(D)	(D)
	Alternating current:					
3353123000	Polyphase, induction greater than 1 hp.....	2,105,823	1,132,994	(D)	(D)	(D)
3353125	Motors and generators for land transportation equipment 1/.....	(D)	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets (except steam and hydraulic turbine).....	(S)	3,139,591	(D)	(D)	(D)
3353129	Electric motor generator sets and other rotating equipment, including hermetics with power rating less than 746 watts 2/.....	(D)	(D)	(D)	(D)	(D)
335312A	Electric motor generator sets and other rotating equipment, including hermetics with a power rating of 746 watts or more 2/..	(S)	1,678,637	8,046,087	89,873	699
335312C	Parts for motors and generators 1/.....	(X)	807,799	(X)	167,613	(X)
1999						
335312	Motors and generators:					
3353121	Fractional horsepower motors, excluding hermetics.....	r/ 290,227,369	4,763,969	r/ 31,277,561	r/ 424,104	45,056,181
3353123	Integral horsepower motors and generators, excluding hermetics.....	6,359,752	1,802,727	(D)	(D)	(D)
	Alternating current:					
3353123000	Polyphase, induction greater than 1 hp.....	2,100,497	1,139,143	(D)	(D)	(D)
3353125	Motors and generators for land transportation equipment 1/.....	(D)	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets (except steam and hydraulic turbine).....	(S)	3,107,280	(D)	(D)	(D)
3353129	Electric motor generator sets and other rotating equipment, including hermetics with power rating less than 746 watts 2/.....	(D)	(D)	(D)	(D)	(D)
335312A	Electric motor generator sets and other rotating equipment, including hermetics with a power rating of 746 watts or more 2/..	(S)	1,676,831	9,573,643	116,855	526
335312C	Parts for motors and generators 1/.....	(X) r/	961,566	(X)	162,647	(X)

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.  
 S Does not meet publication standards. X Not applicable.

1/Industries 3353125 and 335312C are combined to avoid disclosing data for individual companies.  
 2/Industries 3353129 and 335312A are combined to avoid disclosing data for individual companies.

Table 4. Shipments, Exports, Imports, and Apparent Consumption of Motors and Generators: 2000 and 1999  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/ (value at port)	Imports for consumption 2/ (value)
		Quantity	Value f.o.b. plant		
2000					
3353121	Fractional horsepower motors and generators (except hermetics).....	263,315,789	4,692,630	677,730	2,555,134
3353123	Integral horsepower motors and generators.....	6,493,421	1,690,643	676,013	1,566,592
3353125	Motors and generators for land transportation 3/.....	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets, (except steam or hydraulic and electric motor driven):				
	Gas/gasoline driven 4/.....	(S)	3,139,591	79,980	103,395
	Diesel engine-driven:				
	Less than 400 kVA (3353127025, 028, 031, 034, 037) 5/	(D)	(D)	(D)	(D)
	400 kVA to less than 1,000 kVA (3353127041, 043, 046) 5/.....	(D)	(D)	(D)	(D)
	1,000 kVA and over (3353127049, 051) 5/.....	(D)	(D)	464,869	196,190
	Other (3353127065).....	(D)	(D)	143,241	388,296
3353129, 12A	Electric motor-driven generator sets, hermetics, and other rotating equipment:				
	Synchronous converters, double current generators, and electric motor-driven generator sets (335312A003, 3353129003) 6/.....	51,750	24,169	(D)	(D)
	Hermetic motors (3353129011, 335312A011) 6/...	(S)	783,308	(D)	(D)
	Other rotating equipment (3353129014, 335312A014 6/.....	(S)	219,064	13,834	5,294
335312C	Parts for all electric motors and generators (335312C001, C004, C007) 3/.....	(X)	807,799	1,068,110	1,037,058
1999					
3353121	Fractional horsepower motors and generators (except hermetics).....	r/ 290,227,369	r/ 4,763,969	586,833	2,004,015
3353123	Integral horsepower motors and generators.....	6,359,752	1,802,727	642,052	1,108,140
3353125	Motors and generators for land transportation 3/.....	(D)	(D)	(D)	(D)
3353127	Prime mover generator sets, (except steam or hydraulic and electric motor driven):				
	Gas/gasoline driven 4/.....	(S)	3,107,280	121,895	(D)
	Diesel engine-driven:				
	Less than 400 kVA (3353127025, 028, 031, 034, 037) 5/	(D)	(D)	(D)	(D)
	400 kVA to less than 1,000 kVA (3353127041, 043, 046) 5/.....	(D)	(D)	(D)	(D)
	1,000 kVA and over (3353127049, 051) 5/.....	(D)	(D)	399,794	(D)
	Other (3353127065).....	(D)	(D)	267,520	(D)
3353129, 12A	Electric motor-driven generator sets, hermetics, and other rotating equipment:				
	Synchronous converters, double current generators, and electric motor-driven generator sets (335312A003, 3353129003) 6/.....	16,541	21,672	(D)	(D)
	Hermetic motors (3353129011, 335312A011) 6/...	(S)	759,566	(D)	(D)
	Other rotating equipment (3353129014, 335312A014 6/.....	(S)	200,915	7,744	6,371
	Parts for all electric motors and generators (335312C001, C004, C007) 3/.....	(X)	961,566	1,115,181	787,942

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.  
 S Does not meet publication standards. X Not applicable.

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

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

3/"Motors and generators for land transportation" and "Parts for all electric motors and generators" are combined to avoid disclosing data for individual companies.

4/Exports and imports for "Gas/gasoline engine-driven, less than 5 kVA" and "Gas/gasoline engine-driven, 5 kVA and over" are combined to avoid disclosing data for individual companies.

5/Exports and imports for "Diesel engine-driven, less than 400 kVA," "Diesel engine-driven, 400 kVA to less than 1,000 kVA," and "1,000 kVA and over" are combined to avoid disclosing data for individual companies.

6/Exports and imports for "Synchronous converters, double current generators, and electric motor-driven generator sets," "Hermetic motors," and "Other rotating equipment" are combined to avoid disclosing data for individual companies.



Table 5. Comparison of North American Industrial Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/		Import number 2/	
3353121	Fractional horsepower motors and generators.....	8501.10.3000	8501.10.4040	8501.10.2000	8501.10.4020
		8501.10.4060	8501.10.4080	8501.10.4040	8501.10.4060
		8501.10.6020	8501.10.6040	8501.10.4080	8501.10.6020
		8501.10.6060	8501.10.6080	8501.10.6040	8501.10.6060
		8501.20.2000	8501.20.3000	8501.10.6080	8501.20.2000
		8501.31.2000	8501.31.3000	8501.20.4000	8501.20.5000
		8501.31.8000	8501.40.2020	8501.31.2000	8501.31.4000
		8501.40.2040	8501.40.3020	8501.31.5000	8501.31.8000
		8501.40.3040	8501.51.2020	8501.40.2020	8501.40.2040
		8501.51.2040	8501.51.3020	8501.40.4020	8501.40.4040
		8501.51.3040		8501.40.5020	8501.40.5040
				8501.51.2020	8501.51.2040
				8501.51.4020	8501.51.4040
				8501.51.5020	8501.51.5040
3353123, 125	Integral horsepower motors and generators.....	8501.20.6000	8501.31.6000	8501.20.6000	8501.31.6000
		8501.32.2000	8501.32.4000	8501.32.2000	8501.32.4500
		8501.32.6000	8501.33.2000	8501.32.5520	8501.32.5540
		8501.33.3000	8501.33.4040	8501.32.6000	8501.33.2040
		8501.33.4060	8501.33.6000	8501.33.2080	8501.33.3000
		8501.34.3000	8501.34.6000	8501.33.4040	8501.33.4060
		8501.40.6020	8501.40.6040	8501.33.6000	8501.34.3000
		8501.51.6020	8501.51.6040	8501.34.6000	8501.40.6020
		8501.52.4000	8501.52.8000	8501.40.6040	8501.51.6020
		8501.53.4000	8501.53.6000	8501.51.6040	8501.52.4000
		8501.53.8040	8501.53.8060	8501.52.8020	8501.52.8040
		8501.61.0000	8501.62.0000	8501.53.4040	8501.53.4080
		8501.63.0000	8501.64.0020	8501.53.6000	8501.53.8040
		8501.64.0030	8501.64.0050	8501.53.8060	8501.61.0000
		8501.62.0000	8501.63.0000		
		8501.64.0020	8501.64.0030		
		8501.64.0050			
3353127003, 007, 011, 013, 017	Gas/gasoline engine-driven.....	8502.20.0040	8502.20.0080	8502.20.0030	8502.20.0060
				8502.20.0080	
3353127025, 028, 031, 034, 037, 041, 043, 046, 049, 051	Diesel engine-driven generator sets.....	8502.11.0000	8502.12.0000	8502.11.0000	8502.12.0000
		8502.13.0020	8502.13.0040	8502.13.0020	8502.13.0040
3353127065	Other generator sets.....	8502.31.0000	8502.39.0000	8502.31.0000	8502.39.0000
3353129, 12A	Electric motor-driven generator sets and other rotating equipment.....	8502.40.0000		8502.40.0000	
335312C001	Parts for motors and generators, including commutators.....	8503.00.2000		8503.00.2000	
335312C004, 007	Parts for motors and generators, excluding commutators.....	8503.00.5000	8503.00.6040	8503.00.3500	8503.00.4500
		8503.00.6060		8503.00.6500	8503.00.7500
				8503.00.9000	8503.00.9520
				8503.00.9545	8503.00.9560

1/Source: 2000 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 (2000).