

U.S. Census Bureau
Pumps (except hydraulic) and Compressors - 2010
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Table 1. Summary of Shipments of Pumps and Compressors
[Quantity in thousands of units. Value in millions of dollars]

Product Class Code	Product description	Year	Quantity			Value
3339111 (pt.)	Industrial pumps (excluding hydraulic fluid power pumps)	2010		(X)	b/	4,015
		2009		(X)	a/	3,885
		2008		(X)	a/	4,504
		2007		(X)	a/	4,607
		2006		(X)		4,485
3339111 (pt.)	Domestic water systems, including drivers	2010	c/	1,483	c/	262
		2009	c/	1,481	b/	256
		2008	c/	1,828	c/	325
		2007	b/	2,284	a/	382
		2006		2,373		409
3339111 (pt.)	Domestic sump pumps, 1 hp and under, including drivers	2010		3,366	a/	234
		2009	r/	2,324	r/	180
		2008	a/	3,196	a/	224
		2007	a/	2,944	a/	193
		2006		3,036		196
3339111 (pt.)	Oil-well and oil-field pumps (excluding boiler feed)	2010		(X)		664
		2009		(X)		662
		2008		(X)		783
		2007		(X)		676
		2006		(X)		(D)
3339111 (pt.)	Other pumps, including drivers	2010		2,651		381
		2009		2,654		405
		2008		3,583		581
		2007		3,204		443
		2006		2,836		445

3339115	Parts and attachments for pumps and pumping equipment	2010	(X)		1,537
		2009	(X)		1,256
		2008	(X)		1,538
		2007	(X)	b/	1,603
		2006	(X)		1,512
3339121 (pt.)	Air and gas compressors	2010	(X)		(S)
		2009	(X)	r/	3,375
		2008	(X)		4,732
		2007	(X)	b/	4,280
		2006	(X)		4,015
3339121 (pt.)	Vacuum pumps, excluding laboratory	2010	(X)	c/	196
		2009	(X)	r/a/	163
		2008	(X)	a/	176
		2007	(X)		(S)
		2006	(X)		(D)
3339125	Parts and attachments for air and gas compressors and vacuum pumps	2010	(X)	a/	988
		2009	(X)	r/b/	1,163
		2008	(X)		1,316
		2007	(X)	b/	1,136
		2006	(X)		995

Table 2. Quantity and Value of Shipments of Pumps and Compressors
[Quantity in units. Value in thousands of dollars]

Product code	Product description	Year	Companies	Quantity		Value	
3339111(pt.)	Industrial pumps (excluding hydraulic fluid power pumps)	2010	(X)	(X)	b/	4,014,796	
		2009		(X)	a/	3,884,859	
3339111401	Industrial pumps, value of drivers 1/	2010	74	(X)	a/	544,502	
		2009		(X)		564,375	
3339111413	Centrifugal sewage type (nonsubmersible), vertical or horizontal with non-clog impeller, all sizes	2010	22 a/	20,062	c/	243,496	
		2009		(S)		(S)	
3339111426	Centrifugal submersible effluent pumps, less than 1" solids handling capacity, all hp	2010	17 b/	287,046	c/	46,912	
		2009		b/	b/	41,081	
3339111432	Centrifugal submersible solids handling pumps, solids 1" to 2" inclusive, all hp	2010	17 a/	479,240	b/	100,714	
		2009		a/	a/	90,623	
3339111434	Centrifugal submersible non-clog pumps, greater than 2" solids handling capacity, all size discharge	2010	19	13,875		57,996	
		2009		16,643		57,836	
3339111436	Centrifugal submersible grinder pumps, all hp	2010	10	93,888		103,051	
		2009		88,293		94,251	
3339111448	Centrifugal single and two stage, single and end suction, close coupled with driver	2010	43	1,300,972	a/	190,745	
		2009		956,590		167,925	
3339111450	Centrifugal single and two stage, single suction, in-line, close coupled with driver	2010	17	(D)		(D)	
		2009		(D)		(D)	
333911144E	Centrifugal single stage, single suction, vertical, in-line frame	2010	12	28,975		29,475	
		2009		a/	a/	19,367	
333911144H	Centrifugal single stage, single suction, frame or foot mounted, metallic pumps, built to National or International Standards ANSI B73.1 or ISO 2858	2010	23 a/	40,605	b/	166,149	
		2009		57,165	b/	179,867	
333911144L	Centrifugal single stage, single suction, frame or foot mounted, nonmetallic pumps, built to National or International Standards ANSI B73.1 or ISO 2858	2010	6 b/	1,440	b/	10,358	
		2009		b/	b/	11,391	
3339111452	Centrifugal single stage, single suction, frame or foot mounted, non-ANSI, non-ISO, with or without recessed impeller, all size discharge	2010	30 a/	235,192	c/	133,202	
		2009		(D)		(D)	

3339111455	Centrifugal single stage, single suction, replaceable elastomer lined or hard metal, frame or foot mounted	2010 2009	9	(D) (D)		(D) (D)
3339111458	Centrifugal single stage, single suction, centerline mounted	2010 2009	8	(D) (D)		(D) (D)
333911145L	Centrifugal single stage, axially split, double suction, all size discharge	2010 2009	16 b/ a/	13,157 16,268	c/	213,174 264,208
3339111468	Centrifugal multistage, single or double suction, diffuser design, radially split case	2010 2009	17	14,519 13,549	a/	(S) 144,471
333911146F	Centrifugal multistage, single or double suction, volute or diffuser design, axially split case	2010 2009	13 b/ a/	1,099 1,352		(S) 119,834
3339111486	Centrifugal propeller and mixed flow, horizontal and vertical, all sizes	2010 2009	15 c/ b/	1,193 1,317	c/	134,656 133,902
3339111488	All other centrifugal pumps	2010 2009	49	(S) (S)	c/ a/	467,499 421,165
3339111496	Vertical turbine pumps, including pumps with submersible motor, bowl assemblies, and can and pot type	2010 2009	21	29,438 32,971		175,159 250,650
33391114C7	Reciprocating pumps, driven by electric motor, engine, or steam turbine, including reciprocating piston, plunger, power-pumps for water flooding, or diaphragm (not air operated) pumps	2010 2009	29 a/ a/	603,698 528,113	a/ a/	310,913 262,958
33391114D5	Diaphragm pumps, air operated	2010 2009	16 a/	300,312 433,027	r/	233,789 184,755
33391114R9	Rotary pumps, 100 PSI and under, designed pressure, all GPM, designed capacity	2010 2009	29	470,159 466,273		147,517 156,819
33391114RG	Rotary pumps, 101 to 249 PSI, designed pressure, all GPM, designed capacity	2010 2009	18 b/	193,482 99,054		119,164 87,492
33391114RN	Rotary pumps, 250 PSI and over, designed pressure	2010 2009	21	166,077 163,300	a/	116,555 100,259
33391114T5	Other industrial pumps	2010 2009	14	(D) (D)		(D) (D)
3339111(pt.)	Domestic water systems, including drivers	2010 2009	(X) c/ c/	1,483,354 1,481,170	c/ b/	261,864 255,543

3339111101	Domestic water systems, nonsubmersible pump systems (jet and nonjet, including drivers)	2010	13 c/	954,699	b/	149,289
		2009	c/	1,000,669	b/	148,952
3339111108	Domestic water systems, submersible pump systems including drivers, all hp	2010	12 b/	508,567	c/	110,771
		2009	b/	462,299	c/	104,847
3339111107	Domestic water systems, domestic hand and windmill pumps, pump jacks, and cylinders, sold separately, including drivers	2010	5 a/	20,088	b/	1,804
		2009		18,202	a/	1,744
3339111(pt.)	Domestic sump pumps, 1 hp and under, including drivers	2010	(X)	3,366,481	a/	234,118
		2009	r/	2,323,577	r/	179,666
3339111235	Domestic sump pumps, 1 hp and under, pedestal, including drivers	2010	13	265,429		12,563
		2009		226,580		12,108
3339111242	Domestic sump pumps, submersible, including drivers, all hp	2010	14	3,101,052	a/	221,555
		2009		2,096,997		167,558
3339111(pt.)	Oil-well and oil-field pumps (excluding boiler feed)	2010	(X)	(X)		664,089
		2009		(X)		662,009
3339111335	Oil-well and oil-field pumps (excluding boiler feed), value of drivers 1/	2010	17	(X)		263,264
		2009		(X)		252,040
3339111341	Oil-well and oil-field pumps, subsurface pumps for oil-well pumping	2010	7	(D)		(D)
		2009		41,781		222,869
3339111364	Oil-well and oil-field pumps, other oil-well and oil-field pumps, including mud pumps (slush pumps)	2010	11	(D)		(D)
		2009	b/	20,152		187,100
3339111 (pt.)	Other pumps, including drivers	2010	19	2,651,172		381,270
		2009		2,653,642		405,240
3339111590	Other pumps, including drivers	2010	19	2,651,172		381,270
		2009		2,653,642		405,240
3339115	Parts and attachments for pumps and pumping equipment	2010	(X)	(X)		1,536,740
		2009		(X)		1,255,910
3339115144	Parts and attachments for pumps and pumping equipment, aftermarket (spare) parts for centrifugal pumps	2010	57	(X)	c/	658,818
		2009		(X)		665,351
3339115155	Parts and attachments for pumps and pumping equipment, aftermarket (spare) parts for vertical turbine pumps	2010	13	(X)	b/	132,123
		2009		(X)		72,469

3339115166	Parts and attachments for pumps and pumping equipment, aftermarket (spare) parts for reciprocating pumps	2010 2009	30	(X) (X)		243,868 154,277
3339115199	Parts and attachments for pumps and pumping equipment that belong in industry 333911, other	2010 2009	39	(X) (X)		501,931 363,813
3339121(pt.)	Air and gas compressors	2010 2009	(X)	(X) (X)	r/	(S) 3,374,980
3339121115	Air compressors, new, value of drivers 1/	2010 2009	24	(X) (X)	a/ a/	238,244 264,230
3339121128	Air compressors, stationary, reciprocating, single acting, all hp	2010 2009	19 c/	278,390 281,156	c/ r/	369,821 359,180
3339121133	Air compressors, stationary, reciprocating, double acting	2010 2009	6	(S) 276	c/	12,624 14,659
3339121144	Air compressors, stationary, rotary positive, discharge pressure 50 PSIG and under, all hp sizes	2010 2009	11	(D) (D)		(D) (D)
3339121156	Air compressors, stationary, rotary positive, discharge pressure of 51 PSIG and over , 150 hp and under	2010 2009	10 b/ b/	14,332 11,798	c/ c/	194,059 155,410
3339121158	Air compressors, stationary, rotary positive, discharge pressure of 51 PSIG and over, 151 hp and over	2010 2009	5 c/ c/	1,457 1,113	c/ c/	71,427 51,772
3339121166	Air compressors, stationary, centrifugal and axial portable	2010 2009	8	(D) (D)		(D) (D)
3339121178	Air compressors, portable, all C.F.M	2010 2009	14	1,846,581 2,027,925		567,566 412,771
3339121183	Gas compressors, new, stationary, centrifugal and axial, natural gas	2010 2009	5	190 119	r/	49,900 88,443
3339121188	Gas compressors, new, stationary, centrifugal and axial, all other gases	2010 2009	6	844 469	r/	294,324 404,830
3339121198	Gas compressors, new, stationary reciprocating	2010 2009	16	11,327 (D)	a/	807,487 (D)
33391211CC	Gas compressors, new rotary positive	2010 2009	7	(D) (D)		(D) (D)

33391211FF	Other compressors (excluding refrigeration, air-conditioning, and ice making), including rebuilt compressors, compressor packages, and packaged compressor units assembled from purchased compressors	2010	11	41,930		307,627
		2009	r/	42,713	r/	286,167
3339121(pt.)	Vacuum pumps, excluding laboratory	2010	(X)	(X)	c/	195,982
		2009		(X)	r/a/	163,170
3339121225	Vacuum pumps, value of drivers 1/	2010	8	(X)		48,163
		2009		(X)	r/	56,071
3339121268	Vacuum pumps, low vacuum, 29.5" mercury vacuum and lower, all hp	2010	19 b/	109,878	a/	62,425
		2009		109,587		51,100
3339121279	Vacuum pumps, high vacuum, 29.6" mercury vacuum and over, all hp	2010	11 b/	19,593	c/	85,394
		2009	a/	18,826	b/	55,999
3339125	Parts and attachments for air and gas compressors and vacuum pumps	2010	42	(X)	a/	987,975
		2009		(X)	r/b/	1,163,092
3339125100	Parts and attachments for air and gas compressors and vacuum pumps	2010	42	(X)	a/	987,975
		2009		(X)	r/b/	1,163,092

Footnote:

1/ The value of drivers (electric motors, internal combustion engines, hydrostatic transmissions, steam turbines, etc.) is not included for most product categories but rather placed in one of four separate "driver" categories within the product class. Drivers may be included in values for products in product classes without separate driver categories.

Table 3. Shipments, Exports, and Imports of Pumps and Compressors
[Quantity in number of units. Value in thousands of dollars]

[Quantity in number of units. Value in thousands of dollars]										
Product Code 1/	Product description	Year	Manufacturers' shipments 2/			Export shipments 3/		Import shipments 5/		
			Quantity		Value	Quantity	Value 4/	Quantity	Value 6/	
333911140T	Centrifugal pumps, submersible	2010	a/	874,049	a/	308,673	987,437	175,978	7,123,344	327,281
		2009	a/	763,616		283,791	970,137	169,558	4,757,334	275,078
333911141T	Centrifugal pumps, other	2010		(D)		(D)	225,937	902,951	8,985,845	592,863
		2009		(D)		(D)	197,884	810,396	12,314,293	653,457
3339111496	Vertical turbine pumps, including pumps with submersible motor, bowl assemblies, and can and pot type	2010		29,438		175,159	10,391	76,952	9,759	14,634
		2009		32,971		250,650	9,315	77,296	3,453	9,158
33391114C7	Reciprocating pumps, driven by electric motor, engine, or steam turbine, including reciprocating piston, plunger, power-pumps for water flooding, or diaphragm (not air operated) pumps	2010	a/	603,698	a/	310,913	105,999	218,728	1,323,474	167,587
		2009	a/	528,113	a/	262,958	59,780	112,843	789,763	115,329
33391114D5	Diaphragm pumps, air operated	2010	a/	300,312		233,789	334,425	166,339	2,117,027	114,673
		2009		433,027	r/	184,755	274,896	125,202	1,799,262	73,798
33391114RT	Rotary pumps	2010		829,718		383,236	117,722	206,462	3,596,934	165,679
		2009		728,627		344,570	85,706	184,392	2,713,533	144,356
3339111(pt.)	Oil-well and oil-field pumps (except boiler feed)	2010		(X)		664,089	28,524	367,569	124,055	365,197
		2009		(X)		662,009	17,404	338,382	56,968	179,881
3339111(pt.)	Domestic water systems, including drivers	2010	c/	1,483,354	c/	261,864	657,305	44,200	66,010,505	83,774
		2009	c/	1,481,170	b/	255,543	594,667	39,397	72,303,514	68,531
333911112T	Other pumps, including sump pumps, hot water circulator pumps, etc	2010		(D)		(D)	557,844	227,493	16,310,314	405,567
		2009		(D)		(D)	460,722	200,401	21,829,330	338,406
333912110T	Stationary air compressors, reciprocating, single and double acting 7/	2010		(S)	c/	382,445	0	0	830,209	111,346
		2009		281,432	r/	373,839	0	0	570,243	76,206
333912112T	Stationary air compressors, rotary positive, centrifugal, and axial 7/	2010		(D)		(D)	0	0	239,699	248,702
		2009		(D)		(D)	0	0	195,378	188,137
3339121178	Portable air compressors 7/	2010		1,846,581		567,566	8,708	126,192	10,758,385	328,518
		2009		2,027,925	r/	412,771	5,980	84,952	8,466,054	275,662
333912118T	Other air and gas compressors, including gas compressors, and compressor packages	2010		(D)		(D)	1,067,918	120,049	3,773,673	194,861
		2009		(D)		(D)	1,008,063	184,629	3,767,689	270,388
3339121(pt.)	Vacuum pumps, excluding laboratory	2010		(X)	c/	195,982	320,149	167,819	5,120,203	507,684
		2009		(X)	r/a/	163,170	r/ 250,686	r/ 136,184	4,875,477	313,963

Footnotes:

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

2/ Manufacturers' shipments generally exclude values of drivers.

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

4/ Excludes the value of drivers.

5/ Sources: Bureau of Census report IM 145, General Imports, and IM 146, U.S. Imports for Consumption.

6/ Value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus import duties.

7/ Import and export data for three categories of compressors are combined because one harmonized code in the third category may be used interchangeably with any of several codes in the first two categories.

Table 4. Comparison of Combined North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes

Combined Code	Product code	Product description	Export code 1/	Import code 2/
333911140T	3339111426	Centrifugal pumps, submersible	8413.70.2004	8413.70.2004
	3339111432			
	3339111434			
	3339111436			
333911141T	3339111413	Centrifugal pumps, other	8413.70.1000	8413.70.1000
	3339111448		8413.70.2005	8413.70.2005
	3339111450		8413.70.2015	8413.70.2015
	333911144E		8413.70.2022	8413.70.2022
	333911144H		8413.70.2025	8413.70.2025
	333911144L		8413.70.2030	8413.70.2030
	3339111452		8413.70.2040	8413.70.2040
	3339111455		8413.70.2090	8413.70.2090
	3339111458			
	333911145L			
	3339111488			
	3339111468			
	333911146F			
	3339111486			
3339111496	3339111496	Vertical turbine pumps, including pumps with submersible motor, bowl assemblies, and can and pot type	8413.81.0020	8413.81.0020
33391114C7	33391114C7	Reciprocating pumps, driven by electric motor, engine, or steam turbine, including reciprocating piston, plunger, power-pumps for water flooding, or diaphragm (not air operated) pumps	8413.50.0090	8413.50.0090
33391114D5	33391114D5	Diaphragm pumps, air operated	8413.50.0050	8413.50.0050

33391114RT	33391114R9	Rotary pumps	8413.60.0070	8413.60.0070
	33391114RG 33391114RN		8413.60.0090	8413.60.0090
3339111(pt.)	3339111335	Oil-well and oil-field pumps (except boiler feed)	8413.50.0010	8413.50.0010
	3339111341 3339111364		8413.60.0050	8413.60.0050
3339111(pt.)	3339111101	Domestic water systems, including drivers	8413.20.0000	8413.20.0000
	3339111108 3339111107		8413.81.0030	8413.81.0030
333911112T	33391114T5	Other pumps, including sump pumps, hot water circulator pumps, etc.	8413.81.0040	8413.81.0040
	3339111235 3339111242 3339111590			
333912110T	3339121128	Stationary air compressors, reciprocating, single and double acting	8414.80.1018	8414.80.1605
	3339121133		8414.80.1042 8414.80.1055	8414.80.1615 8414.80.1625 8414.80.1635 8414.80.1640 8414.80.1645 8414.80.1655
333912112T	3339121144	Stationary air compressors. rotary positive, centrifugal, and axial	8414.80.1060	8414.80.1660
	3339121156 3339121158 3339121166		8414.80.1067 8414.80.1075 8414.80.1080	8414.80.1665 8414.80.1670 8414.80.1675 8414.80.1680 8414.80.2015

3339121178	3339121178	Portable air compressors	8414.40.0000	8414.40.0000
			8414.80.1095	8414.80.1685
			8414.80.2010	8414.80.1690
333912118T	3339121183	Other air and gas compressors, including gas compressors, and compressor packages	8414.80.2050	8414.80.2055
	3339121188		8414.80.2060	8414.80.2065
	3339121198		8414.80.2070	8414.80.8075
	33391211CC		8414.80.9000	8414.80.9000
	33391211FF			
3339121(pt.)	3339121225	Vacuum pumps, excluding laboratory	8414.10.0000	8414.10.0000
	3339121268			
	3339121279			

Footnotes:

1/ Source: 2010 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 (2010).

Symbols:

(D) - Withheld to avoid disclosing data of individual companies.

(X) - Not applicable.

(NA) - Not available.

r/ - Revised by 5 percent or more from previously published data.

(n.e.c.) - Not elsewhere classified.

(n.s.k.) - Not specified by kind.

(nehp) - Net engine horsepower

(btuh) - British thermal units per hour

(pt.) Part.

- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

a/ - 10 to 19 percent of this item has been estimated.

b/ - 20 to 29 percent of this item has been estimated.

c/ - 30 to 49 percent of this item has been estimated.

(S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on pumps and compressors since 1960. Data on hydraulic fluid power pumps and motors formerly collected on this survey are now included in the Current Industrial Report, MA333N, Fluid Power Products.

Historical Current Industrial Reports data may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.