

**DUE DATE:** 30 Days After Receipt

OMB No. 0607-0395: Approval expires 08-31-07

**REPORT FOR** CALENDAR YR 2006

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS  
FORM **MA333P**  
**CURRENT INDUSTRIAL REPORTS**

PUMPS (except hydraulic) AND  
COMPRESSORS  
  
Shipments

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey. If that number is not displayed, do not complete this form. YOUR RESPONSE IS REQUIRED BY LAW (Title 13, United States Code). By section 9 of the same law, YOUR REPORT IS CONFIDENTIAL. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

**In correspondence pertaining to this establishment's report, please refer to the 11 digit Identification Number (ID)**

If you have questions regarding this report form please contact:  
KEELEY VOOR  
1(812)218-3341

**EMPLOYER IDENTIFICATION (EI) NUMBER.** Identification number used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941) **(Enter if not shown, correct if wrong.)**

**CONTACT PERSON** (Enter information if not shown, correct if wrong.)

Name ATTN: Controller

Area code            Number

Fax number

(Please correct any error in name and address including ZIP Code)

Enter or correct email address: [

]

**PART I FOR EACH ITEM LISTED BELOW, ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported for the previous two periods.) PLEASE REFER TO THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT FORM.**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.		
			Quantity {Number}	Value of driven units, ex. drivers { \$1,000 }	3	4	5
3339111401-{Industrial pumps, except hydraulic fluid power pumps:} VALUE OF DRIVERS	1098	2006	XXXXX				
		2005	XXXXX				
		2004	XXXXX				
Centrifugal pumps: {Items 1127 through 1280}							
3339111411-Sewage type, non-submersible, vert. or horiz., w/non-clog impeller 12" and under	1127	2006					
		2005					
		2004					
3339111412- More than 12"	1128	2006					
		2005					
		2004					

\* Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers { \$1,000 }	3	4	5	6
3339111424-Submersible effluent, less than 1" solids handling capacity: Less than 1 hp	1132	2006	1	2	3	4	5	6
		2005						
		2004						
3339111425- 1 hp and over	1134	2006						
		2005						
		2004						
3339111428-Submersible solids handling pumps, 1"-2" inclusive: 1/2 hp & under	1136	2006						
		2005						
		2004						
3339111429- More than 1/2 hp	1138	2006						
		2005						
		2004						
333911142C-Submersible non-clog, more than 2" solids handling capacity: 3" disch. & under	1142	2006						
		2005						
		2004						
333911142E- Discharge more than 3" less than 7"	1144	2006						
		2005						
		2004						
333911142G- 7" & over discharge	1147	2006						
		2005						
		2004						
333911142K-Submersible grinder pumps: 2 hp and below	1177	2006						
		2005						
		2004						
333911142M- More than 2 hp	1178	2006						
		2005						
		2004						
3339111448-Single & two stage single & end suction, close coupled w/driver	1209	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.					
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}	1	2	3	4	5	6
3339111450-Single & 2 stage, single suction, in-line, close coupled w/driver	1219	2006								
		2005								
		2004								
333911144E-Single stage, single suction, vertical, in-line frame	1224	2006								
		2005								
		2004								
333911144H-Single stage, single suction, frame or foot mounted, metallic pumps	1228	2006								
		2005								
		2004								
333911144L-Single stage, single suction, frame or foot mounted, nonmetallic pumps{ANSI/ISA stds}	1232	2006								
		2005								
		2004								
333911144M-Single stage, single suction, frame or foot mounted, nonANSI, non-ISO w/wo rec. impeller, 1" disch. & under	1233	2006								
		2005								
		2004								
333911144N-Discharge more than 1", up to 2"	1235	2006								
		2005								
		2004								
333911144R-Over 2" discharge	1237	2006								
		2005								
		2004								
3339111455-Sing. stage, single suction, replace. elastomer lined or hard metal, frame/foot mtd	1240	2006								
		2005								
		2004								
3339111458-Single stage, single suction, centerline mounted	1244	2006								
		2005								
		2004								
3339111459-Single stage, axially split, double suction: 4" disch. & under	1248	2006								
		2005								
		2004								

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}				
			1	2	3	4	5	6
333911145A- Discharge more than 4", up to 8"	1249	2006						
		2005						
		2004						
333911145C- Over 8" discharge	1250	2006						
		2005						
		2004						
333911145G-Sing.stage,radial-ly split, double suction im-peller pumps, API-610 com-pliant	1251	2006						
		2005						
		2004						
333911145M-Sing.stage,radial-ly split, double suction im-peller pumps, non-API com-pliant	1259	2006						
		2005						
		2004						
3339111468-Multistage, single or double suction, diffuser design, radially split case	1260	2006						
		2005						
		2004						
333911146F-Multistage, single or double suction, volute or diffuser design, axially split case	1267	2006						
		2005						
		2004						
3339111478-Sealless centri-fugal pumps, magnetic drive	1268	2006						
		2005						
		2004						
333911147D-Sealless centri-fugal pumps, canned motor	1269	2006						
		2005						
		2004						
333911148N-All other centri-fugal pumps	1270	2006						
		2005						
		2004						
3339111481-Propeller & mixed flow, horiz. & vert, {inc}. vertical turbine over 36": 36" & under	1277	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}				
			1	2	3	4	5	6
3339111484- Over 36"	1278	2006						
		2005						
		2004						
3339111493-VERTICAL TURBINE PUMPS < 36"discharge: w/submersible mtr. bowl dia.6" & less	1281	2006						
		2005						
		2004						
3339111498- w/submersible mtr. bowl dia. over 6"	1282	2006						
		2005						
		2004						
333911149F- Pump & bowl assemblies through 36"	1283	2006						
		2005						
		2004						
333911149N- Can & pot type {pump & bowl assemblies, suction can & pot type}	1284	2006						
		2005						
		2004						
33391114C3-RECIPROCATING PUMPS: direct-acting steam-driven	1285	2006						
		2005						
		2004						
33391114C7-RECIPROCATING PUMPS: driven by electric motor, engine, or steam turbine {see reference list}	1286	2006						
		2005						
		2004						
33391114D5-DIAPHRAGM PUMPS {air operated}	1287	2006						
		2005						
		2004						
33391114R1-ROTARY PUMPS: 100 PSI & under designed capacity - 10 GPM & under designed capacity	1288	2006						
		2005						
		2004						
33391114R3- 11 to 99 GPM designed capacity	1289	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	---TOTAL SHIPMENTS---					
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}	Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			1	2	3	4	5	6
33391114R5- 100-299 GPM, designed capacity	1290	2006						
		2005						
		2004						
33391114R7- 300 GPM & over, designed capacity	1291	2006						
		2005						
		2004						
33391114RA-ROTARY PUMPS: 101-249 PSI designed pressure:10 GPM & under, designed capacity	1292	2006						
		2005						
		2004						
33391114RC- 11-99 GPM, designed capacity	1293	2006						
		2005						
		2004						
33391114RE- 100 GPM & over, designed capacity	1294	2006						
		2005						
		2004						
33391114RN-ROTARY PUMPS: 250 PSI and over, designed pressure	1298	2006						
		2005						
		2004						
33391114T5-OTHER INDUSTRIAL PUMPS, not elsewhere classified	1299	2006						
		2005						
		2004						
3339111167-DOMESTIC WATER SYSTEMS, incl.drivers: Nonsubmersible pump systems	1367	2006						
		2005						
		2004						
3339111172- Submersible pump systems up to 1 hp	1376	2006						
		2005						
		2004						
3339111175- Submersible pump systems over 1 to 3 hp	1377	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.					
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}	1	2	3	4	5	6
3339111178- Submersible pump systems over 3 to 5 hp	1378	2006								
		2005								
		2004								
3339111179- Submersible pump systems over 5 hp	1379	2006								
		2005								
		2004								
3339111190-Domestic hand & windmill pumps, pump jacks, & cylinders, sold sep.	1390	2006								
		2005								
		2004								
3339111235-DOMESTIC SUMP PUMPS, incl. drivers, 1 HP AND UNDER Pedestal	1435	2006								
		2005								
		2004								
3339111238- Submersible, 1/3 hp and under	1438	2006								
		2005								
		2004								
3339111239- Submersible, over 1/3 hp	1439	2006								
		2005								
		2004								
3339111335-{Oilwell & oil-field pumps, except boiler feed:} VALUE OF DRIVERS	1698	2006	XXXXX							
		2005	XXXXX							
		2004	XXXXX							
3339111341- Subsurface for oil-well pumping	1701	2006								
		2005								
		2004								
3339111364-Other oil well & oil-field pumps, incl. mud pumps {slush pumps} -specify kind:	1720	2006								
		2005								
		2004								
3339111580-OTHER PUMPS, NOT ELSEWHERE CLASSIFIED {incl. drivers}: Specify kind:	1800	2006								
		2005								
		2004								

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}	3	4	5	6
3339115144-Aftermarket {spare} parts for centrifugal pumps	1911	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339115155-Aftermarket {spare} parts for vertical turbine pumps	1922	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339115166-Aftermarket {spare} parts for reciprocating pumps	1933	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339115199-Other parts & attach. for pumps & pumping equip. whose product code begins with 3561	1995	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339121115-{Air & gas compressors:} VALUE OF DRIVERS {see Reference List}	3298	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339121121-Stationary air compressors, new Reciprocating, single acting, 1 1/2 hp and under	3300	2006						
		2005						
		2004						
3339121124- Reciprocating, single acting, over 1 1/2 hp to 5 hp	3301	2006						
		2005						
		2004						
333912112B- Reciprocating, single acting, 6 hp and over	3302	2006						
		2005						
		2004						
3339121133- Reciprocating, double acting	3305	2006						
		2005						
		2004						
3339121144- Rotary positive: discharge pressure 50 PSIG & under, all hp sizes	3307	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}				
			1	2	3	4	5	6
3339121151- Rotary positive: discharge pressure 51 PSIG & over, 40 hp & under	3311	2006						
		2005						
		2004						
3339121154- Rotary positive: discharge pressure 51 PSIG & over, 41 to 150 hp	3312	2006						
		2005						
		2004						
3339121157- Rotary positive: discharge pressure 51 PSIG & over, 151 to 300 hp	3313	2006						
		2005						
		2004						
333912115A- Rotary positive: discharge pressure 51 PSIG & over, 301 hp & over	3315	2006						
		2005						
		2004						
3339121166- Centrifugal & axial	3316	2006						
		2005						
		2004						
3339121171-Portable air compressors, new: under 11 C.F.M.	3329	2006						
		2005						
		2004						
333912117B- 11 to 249 C.F.M.	3335	2006						
		2005						
		2004						
333912117E- 250 to 599 C.F.M.	3337	2006						
		2005						
		2004						
333912117H- 600 C.F.M. & over	3340	2006						
		2005						
		2004						
3339121183-STATIONARY GAS COMPRESSORS, NEW Centrifugal & axial natural gas	3342	2006						
		2005						
		2004						

**CURRENT INDUSTRIAL REPORTS - Continued**

**PART I - Continued**

Item (Product code - Description)	Item code	Report period	--TOTAL SHIPMENTS--		Do not report imported or purchased products on which your company performed no further fabrication or assembly.			
			Quantity {Number}	Value of driven units, ex. drivers {\$1,000}	3	4	5	6
3339121188- Centrifugal & axial all other gases	3343	2006						
		2005						
		2004						
3339121198- Stationary reciprocating	3354	2006						
		2005						
		2004						
33391211CC- Stationary rotary positive	3356	2006						
		2005						
		2004						
33391211FF-Other compressors {see Reference List} Specify kind:	3388	2006						
		2005						
		2004						
3339121225-{Vacuum pumps, except laboratory:} VALUE OF DRIVERS	3398	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					
3339121261- Low vacuum, 29.5 in mercury vacuum & lower: under 5 hp	3461	2006						
		2005						
		2004						
3339121265- Low vacuum, 29.5 in mercury vacuum & lower: 5 hp & over	3465	2006						
		2005						
		2004						
3339121273- High vacuum, 29.6 in mercury vacuum & over: under 5 hp	3473	2006						
		2005						
		2004						
3339121277- High vacuum, 29.6 in mercury vacuum & over: 5 hp & over	3477	2006						
		2005						
		2004						
3339125111-PARTS & ATTACH. for air & gas compressors and vacuum pumps {except laboratory}	3900	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					

PART I - Continued								
Item (Product code - Description)	Item code	Report period						
			1	2	3	4	5	6

**If all your items are not listed, please use additional lines or a blank sheet of paper.**

**PART II Has there been any change in the ownership or operation of this establishment during this period?**

Yes - Indicate type of change below.  No - Skip to Part III.

	Name of company	Address (Number and street, city, State, ZIP Code)	Date of change
A. <input type="checkbox"/> Purchased from			
B. <input type="checkbox"/> Sold to			
C. <input type="checkbox"/> Plant discontinued all operations	Date		
D. <input type="checkbox"/> Plant operations no longer covered by this survey - Describe in "Remarks" the products currently produced.			
E. <input type="checkbox"/> Reorganized - Describe in "Remarks;" e.g., partnership change or change in corporate status.			

**PART III Do the figures shown on this report and on your last report cover the identical establishments?**

Yes  No - Indicate reasons for difference in "Remarks."

**PART IV** Remarks

**PART V CERTIFICATION** - This report is substantially accurate and has been prepared in accordance with instructions.

Signature of authorized official	Title	Date
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Complete and return this form in the envelope provided or to: **Bureau of the Census, 1201 East Tenth Street, Jeffersonville, IN 47132** **NOTE:** Please make a photocopy of this for your records.

# CURRENT INDUSTRIAL REPORTS SERIES

2006 MA333P — PUMPS (EXCEPT HYDRAULIC) AND COMPRESSORS (SHIPMENTS)

## DEFINITIONS AND SPECIAL INSTRUCTIONS

### 1. Scope of survey

This survey includes firms engaged in manufacturing industrial pumps, (reciprocating, turbine, centrifugal, rotary, diaphragm, and other pumps); domestic water systems; domestic sump pumps; oil well and oil field pumps; hot water heating circulator pumps, and other pumps; air compressors; gas compressors; and vacuum pumps. Excluded from this survey are hand pumps; measuring and dispensing pumps; automotive circulating pumps; hydraulic fluid power pumps; paint-spraying equipment; and compressors for ice making, refrigeration equipment, and air-conditioning units.

### 2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to U.S. Census Bureau for additional forms.

#### a. Quantity and value of shipments

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Report all driven units, such as pump-driven sets and compressor-driven sets, and pumps and compressors sold without drivers. In column 1, report the number of pumps and compressors shipped; in column 2, report the value of the units in column 1. This value should represent the value of the pump or compressor only and should not include the value of the driver. The exceptions to this are domestic water system and sump pumps and integral diesel- or gas-engine powered gas compressors. The value of shipments figure for these items should include the value of the driver.

For item codes representing value of drivers, do not report quantities.

#### b. Columnar structure of report

When posting your figures to the original report, please be sure to report the information in the correct columns. These are: For item codes 1098, 1698, 3298, and 3398:

*Column 2* — Value of shipments of drivers sold with driven units. (Column 1 is not used.)

These are: For item codes 1098, 1698, 3298, and 3398:

*Column 2* — Value of shipments of drivers sold with driven

For item codes 1911, 1922, 1933, and 1995:

*Column 2* — Value of shipments of parts and attachments sold separately. (Column 1 is not used.)

For other item codes:

*Column 1* — Quantity (Number of pumps or compressors shipped).

*Column 2* — Value of shipments of driven units, excluding value of drivers (see instructions, item 2a).

### 3. Definitions

*Pump* — Device for raising, transferring, moving, or pressurizing fluids.

*Compressor* — Device for compressing gases, such as air for motive power or natural gas for the transfer of gas or for the recovery of liquid hydrocarbons.

*Driver* — An electric motor, or a prime mover, such as a steam engine, steam or gas turbine, or internal combustion engine.

#### CENTRIFUGAL PUMPS (item codes 1127–1278)

*Centrifugal pump* — A pump in which the pressure is developed principally by the action of centrifugal force. Pumps in the class with single inlet impellers usually have a specific speed below 4200; with double suction impellers, below 6000. In pumps of this class the liquid normally enters the impeller at the hub and flows radially to the periphery.

*Single stage pump* — A pump in which the total head is developed by one impeller.

*Single suction pump* — A pump equipped with one or more single suction impellers.

*Close coupled pump* — A design in which the impeller is mounted on the motor shaft.

*Frame mounted pump* — A pump design in which the impeller is mounted on a shaft, held in a bearing frame, and coupled to a motor with a flexible coupling.

*Double suction pump* — A pump equipped with one or more double suction impellers.

*Multistage pump* — A pump having two or more impellers acting in series in one casing.

# CURRENT INDUSTRIAL REPORTS SERIES

MA333P

## DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

### Definitions — Continued

*Propeller (or axial flow) pump* — A pump which develops most of its head by the propelling or lifting action of the vanes on the liquid. It has a single inlet impeller with the flow entering axially and discharging nearly axially. Pumps of this type usually have a specific speed above 9000.

*Mixed flow pump* — A pump in which the head is developed partly by centrifugal force and partly by the lift of the vanes of the liquid. This type of pump has a single inlet impeller with the flow entering axially and discharging in an axial and radial direction. Pumps of this type usually have a specific speed from 4200 to 9000.

**VERTICAL TURBINE PUMPS** (*item codes 1281–1284*) — Include submersible pump systems over 5 hp. Report submersible pump systems, 5 hp and under, as domestic water systems, *item codes 1376–1378*.

**RECIPROCATING PUMPS** (*item codes 1285–1286*)

*Direct-acting steam-driven* — A reciprocating pump and a steam engine built together as a unit. The power to drive the pump is furnished by the steam engine.

**ROTARY PUMPS** — *item codes 1288–1297*

*Rotary pump* — A positive displacement pump, consisting of a fixed casing containing gears, cams, screws, vanes, plungers, or similar elements actuated by rotation of the drive shaft. These pumps are characterized by their close running clearances and the absence of suction and discharge valves.

**DOMESTIC WATER SYSTEMS** (*item codes 1367–1390*) — Include submersible pump systems 5 hp and under. Report submersible pump systems over 5 hp as vertical turbine pumps, *item codes 1281–1284*. (See also submersible centrifugal pumps, *item codes 1132–1178*.) Exclude irrigation pumps; report them under industrial pumps by class and type of pump.

*Domestic water system* — A complete water supply pump system for household and farm use, containing driver, tank, and fittings.

*Jet pump* — A pump with built-in jet (ejector) assembly for either shallow or deep well use.

*Non-jet pump* — An electrical reciprocating piston pump for shallow or deep well use.

*Submersible pump* — A pump completely submerged in water (well, pond, reservoir, etc.) which uses a series of impellers and diffusers (stages) on a single shaft or a helical rotor positive displacement design propelled by an oil-filled or water-lubricated motor.

*Domestic hand pumps, etc.* — Hand, windmill, or engine-driven well pumps not electrically powered.

**OIL-WELL AND OIL-FIELD PUMPS** (*item codes 1701–1720*) — Include pumps specially designed for oil-well and oil-field applications (except boiler feed).

**AIR COMPRESSORS** (*item codes 3301–3340*)

*Stationary air compressor* — An air compressor which is intended for permanent installation and is typically not mobile.

*Portable air compressor* — An air compressor which is mountable on wheels, a skid, or a motor truck so as to be typically mobile.

*Gas compressors* (*item codes 3342–3356*) — Include engine-compressor units which generally consist of an integral engine compressor block that houses both the engine and compressor. (In such machines the engine pistons and compressor pistons are mounted on a common crankshaft.)

**VACUUM PUMPS** (*item codes 3394–3477*)

*Vacuum pump* — A device for withdrawing air, gas, or air and gas mixtures from piping systems, enclosed vessels, or enclosed spaces, discharging the air to atmosphere, and removing the moisture.

### 4. Standard abbreviations

hp — Horsepower

ANSI — American National Standards Institute

API — American Petroleum Institute

ISO — International Organization for Standardization

FM — Factory Mutual Insurance Certification

UL — Underwriters' Laboratories

PSI — Pounds per square inch

GPM — Gallons per minute

PSIG — Pounds per square inch gauge (represents the differential between atmospheric pressure and output pressure of compressors)

C.F.M. — Cubic feet per minute.

# CURRENT INDUSTRIAL REPORTS SERIES

MA333P

## DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

### 5. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class codes indicated in column (b) below:

Current Industrial Reports (Form MA333P)  Item codes (a)	Annual Survey of Manufactures  Product class codes (b)
1098 through 1800	3339111
1911 through 1995	3339115
3298 through 3388 3398 through 3477	3339121
3900	3339125

# CURRENT INDUSTRIAL REPORTS SERIES

## REFERENCE LIST

FORM <b>MA333P</b>		
<b>PUMPS (EXCEPT HYDRAULIC) AND COMPRESSORS (SHIPMENTS)</b>		
Product code	Item code	Item description
3339111		<b>TOTAL SHIPMENTS (Domestic and export)</b> <i>(Report value in thousands of dollars)</i>
		<b>INDUSTRIAL PUMPS (Except hydraulic fluid power pumps)</b>
3339111401	1098	<i>VALUE OF DRIVERS</i> — Include the value of drivers (motors, engines, etc.), sold with driven units reported elsewhere in product class 3339111, on this line — do not report the values of drivers within the values for the driven units
		<b>Centrifugal pumps</b>
		Sewage type (non-submersible), vertical or horizontal with non-clog impeller:
3339111411	1127	12" and under
3339111412	1128	More than 12"
		Submersible effluent pumps (less than 1" solids handling capacity):
3339111424	1132	Less than 1 hp
3339111425	1134	1 hp and over
		Submersible solids handling pumps (solids 1" to 2" inclusive):
3339111428	1136	½ hp and under
3339111429	1138	More than ½ hp
		Submersible nonclog pumps (greater than 2" solids handling capacity):
333911142C	1142	3" discharge and under
333911142E	1144	Discharge more than 3" but less than 7"
333911142G	1147	7" and over discharge
		Submersible grinder pumps (incorporating a hardened stainless steel cutter mechanism to macerate the solids into a fine slurry):
333911142K	1177	2 hp and below
333911142M	1178	More than 2 hp
3339111448	1209	Single and two stage, single and end suction, close coupled with driver
3339111450	1219	Single and two stage, single suction, in-line, close coupled with driver
333911144E	1224	Single stage, single suction, vertical, in-line frame
333911144H	1228	Single stage, single suction, frame or foot mounted, metallic pumps (built to National or International Standards ANSI B73 1 or ISO 2858)
333911144L	1232	Single stage, single suction, frame or foot mounted, non-metallic pumps (built to National or International Standards ANSI B73 1 or ISO 2858)
		Single stage, single suction, frame or foot mounted, non-ANSI, non-ISO, with or without recessed impeller:
333911144M	1233	1" discharge and under
333911144N	1235	Discharge more than 1", up to 2"
333911144R	1237	Over 2" discharge

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## REFERENCE LIST — Continued

FORM MA333P		
Product code	Item code	Item description
		<b>TOTAL SHIPMENTS (Domestic and export) — Continued</b> <i>(Report value in thousands of dollars)</i>
		<b>INDUSTRIAL PUMPS (Except hydraulic fluid power pumps) — Continued</b>
		<b>Centrifugal pumps — Continued</b>
3339111455	1240	Single stage, single suction, replaceable elastomer lined or hard metal, frame or foot mounted
3339111458	1244	Single stage, single suction, centerline mounted
3339111459	1248	Single stage, axially split, double suction: 4" discharge and under Discharge more than 4", up to 8" Over 8" discharge
333911145A	1249	
333911145C	1250	
333911145G	1251	Single stage, radially split, double suction impeller pumps, API-610 compliant
333911145M	1259	Single stage, radially split, double suction impeller pumps, non-API compliant
3339111468	1260	Multistage, single or double suction, diffuser design, radially split case
333911146F	1267	Multistage, single or double suction, volute or diffuser design, axially split case
3339111478	1268	Sealless centrifugal pumps, magnetic drive
333911147D	1269	Sealless centrifugal pumps, canned motor
3339111481	1277	Propeller and mixed flow, horizontal and vertical (includes Vertical Turbine over 36"): 36" and under Over 36"
3339111484	1278	
333911148N	1270	All other centrifugal pumps
		<b>Vertical Turbine Pumps not exceeding 36" discharge (including deep-well; see item code 1278 for &gt; 36")</b>
3339111493	1281	Pump with submersible motor Bowl diameter 6" and under Bowl diameter over 6"
3339111498	1282	
333911149F	1283	Pump and bowl assemblies through 36" (All column and shaft lengths, including Factory Mutual Insurance Certification or Underwriters' Laboratories approved vertical turbine fire pumps; deep well and short coupled pumps included; except can and pot type)
333911149N	1284	Can and pot type (pump and bowl assemblies, suction can and pot type)

# CURRENT INDUSTRIAL REPORTS SERIES

## REFERENCE LIST — Continued

FORM <b>MA333P</b>		
Product code	Item code	Item description
		<b>TOTAL SHIPMENTS (Domestic and export) — Continued</b> <i>(Report value in thousands of dollars)</i>
		<b>INDUSTRIAL PUMPS (Except hydraulic fluid power pumps) — Continued</b>
		<b>Reciprocating Pumps</b>
33391114C3	1285	Direct-acting steam-driven
33391114C7	1286	Driven by electric motor, engine, or steam turbine: Reciprocating piston, plunger or diaphragm (not air operated) pumps
33391114D5	1287	<b>Diaphragm Pumps (air operated)</b>
		<b>Rotary Pumps</b>
		100 PSI and under designed pressure:
33391114R1	1288	10 GPM and under, designed capacity
33391114R3	1289	11 to 99 GPM, designed capacity
33391114R5	1290	100 to 299 GPM, designed capacity
33391114R7	1291	300 GPM and over, designed capacity
		101 to 249 PSI, designed pressure:
33391114RA	1292	10 GPM and under, designed capacity
33391114RC	1293	11 to 99 GPM, designed capacity
33391114RE	1294	100 GPM, and over, designed capacity
*33391114RN	1298	250 PSI and over, designed pressure
*33391114T5	1299	<b>Other Industrial Pumps, not elsewhere classified</b>
3339111		<b>DOMESTIC WATER SYSTEMS (including drivers)</b> — Include the value of drivers (motors, engines, etc), sold with shipments of driven units reported in product class 3339111, within the values of shipments of products with which they are sold.
3339111167	1367	Nonsubmersible pump systems (jet and non-jet; including drivers)
		Submersible pump systems, (including drivers):
3339111172	1376	Up to 1 hp
3339111175	1377	1 hp to 3 hp
3339111178	1378	3 hp to 5 hp
3339111179	1379	Over 5 hp
3339111190	1390	Domestic hand and windmill pumps, pump jacks, and cylinders (sold separately; including drivers)

\*New or Revised for 2006

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## REFERENCE LIST — Continued

FORM <b>MA333P</b>		
Product code	Item code	Item description
		<b>TOTAL SHIPMENTS (Domestic and export) — Continued</b> <i>(Report value in thousands of dollars)</i>
3339111		<b>DOMESTIC SUMP PUMPS, 1 hp and under, including drivers</b> — Include the value of drivers (motors, engines, etc), sold with shipments of driven units reported in product class 3339111, within the values of shipments of products with which they are sold.
3339111235	1435	Pedestal, including drivers
3339111238	1438	Submersible, including drivers: 1/3 hp and under Over 1/3 hp
3339111239	1439	
		<b>OIL-WELL AND OIL-FIELD PUMPS (except boiler feed)</b>
3339111335	1698	VALUE OF DRIVERS — Include the value of drivers (motors, engines, etc), sold with driven units reported elsewhere in product class 3339111, on this line — <i>do not</i> report the values of drivers within the values for the driven units.
3339111341	1701	Subsurface pumps for oil well pumping
*3339111364	1720	Other oil well and oilfield pumps, including mud pumps (slush pumps) — <i>specify kind</i>  <i>(Report power pumps for water flooding under code 1286)</i>
		<b>OTHER PUMPS, not elsewhere classified (including drivers)</b>
3339111580	1800	Other pumps (except automotive pumps, hand pumps, measuring and dispensing or service station pumps, and hydraulic fluid power pumps), including oil burner and appliance pumps, fire engine pumps, laboratory pumps, packaged pump units, hot water heating circulator pumps, etc. — <i>specify kind</i>
3339115		<b>PARTS AND ATTACHMENTS FOR PUMPS AND PUMPING EQUIPMENT whose product codes begin with 333911</b>
3339115144	1911	Aftermarket (spare) parts for centrifugal pumps
3339115155	1922	Aftermarket (spare) parts for vertical turbine pumps
3339115166	1933	Aftermarket (spare) parts for reciprocating pumps
3339115199	1995	Other

\*New or Revised for 2006

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## REFERENCE LIST — Continued

FORM <b>MA333P</b>		
Product code	Item code	Item description
		<b>TOTAL SHIPMENTS (Domestic and export) — Continued</b> <i>(Report value in thousands of dollars)</i>
3339121		<b>AIR AND GAS COMPRESSORS</b>
3339121115	3298	VALUE OF DRIVERS — Include the value of drivers (motors, engines, etc ), sold with driven units reported elsewhere in product class 3339121, on this line — <i>do not</i> report the values of drivers within the values for the driven units. <i>Exception:</i> Report drivers for integral engine stationary reciprocating gas compressors (item code 3345) on the line for that product, <i>not</i> on this line.
		<b>Air Compressors, new</b>
		Stationary:
		Reciprocating, single acting:
3339121121	3300	1 ½ hp and under
3339121124	3301	Over 1 ½ hp to 5 hp
*333912112B	3302	6 hp and over
3339121133	3305	Reciprocating, double acting
		Rotary positive:
3339121144	3307	Discharge pressure 50 PSIG and under, all hp sizes
		Discharge pressure of 51 PSIG and over:
3339121151	3311	40 hp and under
3339121154	3312	41–150 hp
3339121157	3313	151–300 hp
333912115A	3315	301 hp and over
3339121166	3316	Centrifugal and axial
		Portable:
3339121171	3329	Under 11 C.F.M
*333912117B	3335	11–249 C.F.M
333912117E	3337	250–599 C.F.M
333912117H	3340	600 C.F.M. and over

\*New or Revised for 2006

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## REFERENCE LIST — Continued

FORM <b>MA333P</b>		
Product code	Item code	Item description
<b>TOTAL SHIPMENTS (Domestic and export) — Continued</b> <i>(Report value in thousands of dollars)</i>		
<b>AIR AND GAS COMPRESSORS — Continued</b>		
<b>Gas Compressors, new</b>		
Stationary, centrifugal and axial		
3339121183	3342	Natural gas
3339121188	3343	All other gases
*3339121198	3354	Stationary reciprocating:
33391211CC	3356	Stationary rotary positive
33391211FF	3388	<b>Other compressors</b> (except for refrigeration, air-conditioning, and ice making), including rebuilt compressors, compressor packages, and packaged compressor units assembled from purchased compressors — <i>specify kind</i>
<b>VACUUM PUMPS (excluding laboratory)</b>		
3339121		
3339121225	3398	VALUE OF DRIVERS — Include the value of drivers (motors, engines, etc. ), sold with driven units reported elsewhere in product class 3339121, on this line — do <i>not</i> report the values of drivers within the values for the driven units
Low vacuum, 29.5 in mercury vacuum and lower:		
3339121261	3461	Under 5 hp
3339121265	3465	5 hp and over
High vacuum, 29.6 in mercury vacuum and over:		
3339121273	3473	Under 5 hp
3339121277	3477	5 hp and over
3339125		
<b>PARTS AND ATTACHMENTS FOR AIR AND GAS COMPRESSORS AND VACUUM PUMPS</b>		
3339125111	3900	Parts and attachments for air and gas compressors and vacuum pumps (except laboratory)

11/6/06

\*New or Revised for 2006