

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

For 2000, the value of shipments for the types of pumps and compressors included in this report increased by 2 percent, from \$8,515.4 million to \$8,660.1 million. Value of shipments for pumps (except vacuum pumps), including parts, rose from \$4,637.7 million in 1999 to \$4,808.1 million in 2000, an increase of 4 percent. Vertical turbine pumps (except drivers) increased in value of shipments in 2000 by 36 percent from \$179.3 million to \$244.1 million.

Domestic water systems, including drivers, changed little in value of shipments for 2000 from \$468.5 million to \$470.8 million for an increase of less than 1 percent. Domestic sump pumps, including drivers decreased in value of shipments by 5 percent in 2000 from \$148.9 million to \$140.8 million.

Oil well and oil field pumps increased in value of shipments for 2000 from \$198.7 million to \$256.3 million, an increase of 29 percent. The value of shipments of parts for pumps made by manufacturers of complete pumps decreased by 20 percent in 2000 from \$995.9 million to \$798.4 million.

Compressors, including vacuum pumps and parts, decreased in value of shipments for 2000 by 2 percent from \$3,095.8 million to \$3,042.1 million.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Keeley Voor, 301-457-4746.

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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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. Census Bureau



Table 1. Summary of Quantity and Value of Shipments of Pumps and Compressors: 2000 and 1999  
[Quantity in number of units. Value in thousands of dollars]

| Product description                                                      | 2000       |           | 1999       |           |
|--------------------------------------------------------------------------|------------|-----------|------------|-----------|
|                                                                          | Quantity   | Value     | Quantity   | Value     |
| Total.....                                                               | (X)        | 8,660,124 | (X)        | 8,515,447 |
| Pumps (except vacuum pumps), including parts.....                        | (X)        | 4,808,131 | (X)        | 4,637,672 |
| Industrial pumps.....                                                    | 10,533,799 | 2,793,564 | 11,114,454 | 2,591,632 |
| Drivers, reported.....                                                   | (X)        | 508,778   | (X)        | 466,135   |
| Centrifugal pumps (except drivers).....                                  | 6,688,893  | 1,577,848 | 6,778,428  | 1,485,665 |
| Submersible, reported.....                                               | 772,422    | 258,302   | 773,643    | 245,613   |
| Other, reported.....                                                     | 5,572,301  | 1,275,267 | 5,655,120  | 1,198,025 |
| Estimated from pre-1995-basis reports.....                               | 344,170    | 44,279    | 349,665    | 42,027    |
| Vertical turbine pumps (except drivers).....                             | 64,380     | 244,067   | 53,176     | 179,331   |
| Reported.....                                                            | 63,934     | 240,726   | 52,808     | 176,876   |
| Estimated from pre-1995-basis reports.....                               | 446        | 3,341     | 368        | 2,455     |
| Reciprocating pumps (except drivers), reported.....                      | (D)        | (D)       | (D)        | (D)       |
| Diaphragm pumps (except drivers), reported.....                          | 1,296,909  | 255,549   | 1,906,521  | 233,862   |
| Rotary pumps (except drivers), reported.....                             | (D)        | (D)       | (D)        | (D)       |
| Other (except drivers), reported.....                                    | 765,974    | 112,018   | 735,088    | 111,164   |
| Estimated from other sources (potentially including drivers).....        | 66,439     | 25,188    | 70,101     | 23,367    |
| Domestic water systems, including drivers.....                           | 2,560,814  | 470,769   | 2,620,457  | 468,454   |
| Reported.....                                                            | 2,556,517  | 470,003   | 2,615,837  | 467,684   |
| Estimated from other sources.....                                        | 4,297      | 766       | 4,620      | 770       |
| Domestic sump pumps, including drivers.....                              | 2,444,545  | 140,807   | 2,605,191  | 148,862   |
| Reported.....                                                            | 2,437,929  | 140,433   | 2,598,140  | 148,467   |
| Estimated from other sources.....                                        | 6,616      | 374       | 7,051      | 395       |
| Oil well and oil field pumps.....                                        | 50,899     | 256,278   | 39,874     | 198,724   |
| Drivers, reported.....                                                   | (X)        | 108,422   | (X)        | 85,713    |
| Subsurface pumps for oil well pumping.....                               | 38,154     | 97,221    | 32,447     | 84,273    |
| Mud pumps, slush pumps.....                                              | (D)        | (D)       | (D)        | (D)       |
| Other oil well and oilfield pumps.....                                   | (D)        | (D)       | (D)        | (D)       |
| Estimated from other sources.....                                        | 665        | 4,198     | 521        | 3,255     |
| Other Pumps.....                                                         | 6,744,790  | 348,276   | 6,692,833  | 295,859   |
| Reported.....                                                            | 6,722,524  | 347,042   | 6,670,739  | 294,811   |
| Estimated from other sources.....                                        | 22,266     | 1,234     | 22,094     | 1,048     |
| Parts (reported; made by manufacturers of complete pumps).....           | (X)        | 798,438   | (X)        | 995,918   |
| Compressors, including vacuum pumps and parts.....                       | (X)        | 3,042,092 | (X)        | 3,095,785 |
| Air and gas compressors (but not vacuum pumps).....                      | (X)        | 2,462,203 | (X)        | 2,561,151 |
| Drivers (except for one category of gas compressor), reported.....       | (X)        | 275,815   | (X)        | 284,239   |
| Air compressors (except drivers), new, stationary, reported.....         | 850,200    | 807,113   | 751,853    | 790,827   |
| Air compressors (except drivers), new, portable, reported.....           | 2,360,060  | 536,023   | 2,919,395  | 704,011   |
| Gas compressors (usually except drivers), new, stationary, reported..... | 3,695      | 689,464   | 3,286      | 632,961   |
| Other compressors (except drivers), reported.....                        | 39,064     | 108,863   | 57,333     | 102,383   |
| Estimated from other sources.....                                        | 54,583     | 44,925    | 62,618     | 46,730    |
| Laboratory vacuum pumps (potentially including drivers; reported).....   | 12,513     | 3,262     | (D)        | (D)       |
| Vacuum pumps (except laboratory).....                                    | (X)        | 275,505   | (X)        | 221,956   |
| Drivers, reported.....                                                   | (X)        | 22,467    | (X)        | 21,480    |
| Except drivers, reported.....                                            | 336,596    | 232,783   | 354,493    | 184,158   |
| Estimated from other sources (potentially including drivers).....        | 19,451     | 20,255    | 20,485     | 16,318    |
| Parts (reported; made by manufacturers of complete compressors).....     | (X)        | 301,123   | (X)        | 312,678   |

D Withheld to avoid disclosing data for individual companies. X Not applicable.

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 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     |
| 3339111pt.   | Pumps and compressors 1/.....                                                                                                                     | (X)         | (X)        | 8,660,124  | (X)          | 8,515,447 |
|              | Industrial pumps (except hydraulic fluid power pumps).....                                                                                        | (X)         | (X)        | 2,793,564  | (X) r/       | 2,591,632 |
| 3339111401   | Value of drivers 2/.....                                                                                                                          | 109         | (X) b/     | 508,778    | (X) r/       | 466,135   |
|              | Centrifugal pumps:                                                                                                                                |             |            |            |              |           |
|              | Sewage type (nonsubmersible), vertical or horizontal with nonclog impeller.....                                                                   | (X)         | 8,754      | 48,597     | 8,900        | 43,905    |
| 3339111411   | 12" and under.....                                                                                                                                | 23          | 8,473 a/   | 39,891     | 8,680        | 37,635    |
| 3339111412   | Over 12".....                                                                                                                                     | 8           | 281 c/     | 8,706 r/   | 220 r/       | 6,270     |
|              | Submersible effluent pumps (less than 1" solids handling capacity).....                                                                           | (X)         | 285,531    | 60,773 r/  | 304,603      | 59,766    |
| 3339111424   | Less than 1 hp.....                                                                                                                               | 16          | 270,899    | 37,413 r/  | 287,958      | 34,661    |
| 3339111425   | 1 hp and over.....                                                                                                                                | 16          | 14,632 c/  | 23,360     | 16,645       | 25,105    |
|              | Submersible solids handling pumps (solids 1" to 2" inclusive).....                                                                                | (X)         | 398,066    | 98,216     | 390,204      | 95,212    |
| 3339111428   | 1/2 hp and under.....                                                                                                                             | 18          | 344,603    | 66,013     | 339,523      | 65,892    |
| 3339111429   | Over 1/2 hp.....                                                                                                                                  | 22          | 53,463     | 32,203     | 50,681       | 29,320    |
|              | Submersible nonclog pumps (greater than 2" solids handling capacity).....                                                                         | (X)         | 38,971     | 47,371 r/  | 37,359 r/    | 47,808    |
| 333911142C   | 3" discharge and under.....                                                                                                                       | 12          | 27,567     | 12,738     | 26,059 r/    | 12,127    |
| 333911142E   | Discharge more than 3" but less than 7".....                                                                                                      | 21          | 10,982     | 28,023 r/  | 10,782 r/    | 26,855    |
| 333911142G   | 7" and over discharge.....                                                                                                                        | 9           | 422        | 6,610 r/   | 518 r/       | 8,826     |
|              | Submersible grinder pumps (incorporating a hardened stainless steel cutter mechanism to macerate the solids into a fine slurry).....              | (X)         | 49,854     | 51,942     | 41,477       | 42,827    |
| 333911142K   | 2 hp and below.....                                                                                                                               | 10          | 43,071     | 41,883     | 35,048       | 33,481    |
| 333911142M   | Over 2 hp.....                                                                                                                                    | 6           | 6,783      | 10,059 r/  | 6,429 r/     | 9,346     |
|              | Single and two stage, single and end suction, close coupled with driver.....                                                                      | (X)         | 968,689    | 230,535    | 865,596      | 211,469   |
| 3339111444   | 1" discharge and under.....                                                                                                                       | 44          | 397,844 b/ | 58,440     | 347,173      | 49,885    |
| 3339111445   | Discharge more than 1", up to 2".....                                                                                                             | 49          | 499,174    | 118,781    | 452,433      | 111,769   |
| 3339111447   | Over 2" discharge.....                                                                                                                            | 43 a/       | 71,671 a/  | 53,314 r/  | 65,990 r/    | 49,815    |
|              | Single and two stage, single suction, in-line, close coupled with driver.....                                                                     | (X)         | 1,120,036  | 25,456 r/  | 1,043,449 r/ | 23,237    |
| 3339111449   | 2" discharge and under.....                                                                                                                       | 15          | (D)        | (D)        | (D)          | (D)       |
| 333911144A   | Over 2" discharge.....                                                                                                                            | 17          | (D)        | (D)        | (D)          | (D)       |
|              | Single stage, single suction, vertical, in-line frame.....                                                                                        | (X)         | 427,057    | 72,145     | 350,633      | 61,876    |
| 333911144C   | 2" discharge and under.....                                                                                                                       | 19          | 415,689    | 39,728     | 340,624      | 34,910    |
| 333911144D   | Over 2" discharge.....                                                                                                                            | 17          | 11,368     | 32,417     | 10,009 r/    | 26,966    |
|              | Single stage, single suction, frame or foot mounted, metallic pumps (built to National or International Standards ANSI B73.1 or ISO 2858).....    | (X)         | 63,033     | 135,198 r/ | 55,217 r/    | 128,202   |
| 333911144F   | 2" discharge and under.....                                                                                                                       | 24          | 27,544 b/  | 51,855 r/  | 23,120 r/    | 37,216    |
| 333911144G   | Over 2" discharge.....                                                                                                                            | 22          | 35,489 b/  | 83,343 r/  | 32,097       | 90,986    |
|              | Single stage, single suction, frame or foot mounted, nonmetallic pumps (built to National or International Standards ANSI B73.1 or ISO 2858)..... | (X)         | 35,052     | 19,304     | 33,732       | 19,186    |
| 333911144J   | 2" discharge and under.....                                                                                                                       | 11          | 33,652     | 11,917     | 32,154 r/    | 10,674    |
| 333911144K   | Over 2" discharge.....                                                                                                                            | 9           | 1,400 a/   | 7,387 r/   | 1,578 r/     | 8,512     |
|              | Single stage, single suction, frame or foot mounted, non-ANSI, non-ISO, with or without recessed impeller.....                                    | (X)         | 78,063     | 73,635 r/  | 84,237       | 80,613    |
| 333911144M   | 1" discharge and under.....                                                                                                                       | 20 a/       | 19,195 b/  | 4,527 r/   | 26,566 r/    | 3,612     |
| 333911144N   | Discharge more than 1", up to 2".....                                                                                                             | 21 a/       | 26,976 a/  | 17,355     | 26,586       | 18,692    |
| 333911144R   | Over 2" discharge.....                                                                                                                            | 27 b/       | 31,892 b/  | 51,753 r/  | 31,085       | 58,309    |
|              | Single stage, single suction, replaceable elastomer lined or hard metal, frame or foot mounted.....                                               | (X)         | 7,013      | 60,977     | 6,836        | 58,538    |
| 3339111451   | 1" discharge and under.....                                                                                                                       | 4           | (D)        | (D)        | (D)          | (D)       |
| 3339111452   | Discharge more than 1", up to 2".....                                                                                                             | 7           | (D)        | (D)        | (D)          | (D)       |
| 3339111454   | Over 2" discharge.....                                                                                                                            | 8 b/        | 2,929 b/   | 41,566     | 2,623        | 38,406    |

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 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   |
|              | Single stage, single suction, centerline mounted.....                                                                                                                                         | (X)         | 32,219       | 48,234     | 27,961 r/  | 66,670  |
| 3339111456   | 2" discharge and under.....                                                                                                                                                                   | 11          | 29,156 b/    | 16,683     | 24,852 r/  | 20,353  |
| 3339111457   | Over 2" discharge.....                                                                                                                                                                        | 11 b/       | 3,063 c/     | 31,551     | 3,109 r/   | 46,317  |
|              | Single stage, axially split, double suction.....                                                                                                                                              | (X)         | 13,728       | 89,797 r/  | 12,681 r/  | 74,432  |
| 3339111459   | 4" discharge and under.....                                                                                                                                                                   | 16          | 5,094        | 19,473 r/  | 4,387 r/   | 8,896   |
| 333911145A   | Discharge more than 4", up to 8".....                                                                                                                                                         | 16          | 6,379 a/     | 33,508 r/  | 6,465 r/   | 37,044  |
| 333911145C   | Over 8" discharge.....                                                                                                                                                                        | 17          | 2,255 b/     | 36,816 r/  | 1,829 r/   | 28,492  |
|              | Single stage, radially split, double suction impeller pumps, API-610 compliant.....                                                                                                           | (X)         | 225          | 10,700 r/  | 262 r/     | 16,962  |
| 333911145E   | 4" discharge and under.....                                                                                                                                                                   | 6 c/        | 53 c/        | 2,086 r/   | 34 r/      | 1,466   |
| 333911145F   | Discharge more than 4", up to 8".....                                                                                                                                                         | 6           | 117 b/       | 3,858 r/   | 141 r/     | 7,499   |
| 333911145H   | Over 8" discharge.....                                                                                                                                                                        | 5           | 55 c/        | 4,756 r/   | 87 r/      | 7,997   |
|              | Single stage, radially split, double suction impeller pumps, non-API compliant.....                                                                                                           | (X)         | (D)          | (D)        | (D)        | (D)     |
| 333911145K   | 4" discharge and under.....                                                                                                                                                                   | 3           | (D)          | (D)        | (D)        | (D)     |
| 333911145L   | Discharge more than 4", up to 8".....                                                                                                                                                         | 2           | (D)          | (D)        | (D)        | (D)     |
| 333911145N   | Over 8" discharge.....                                                                                                                                                                        | 2           | (D)          | (D)        | (D)        | (D)     |
|              | Multistage, single or double suction, diffuser design, radially split case.....                                                                                                               | (X)         | 39,547       | 33,405     | 41,989 r/  | 34,483  |
| 3339111461   | 4" discharge and under.....                                                                                                                                                                   | 16          | (D)          | (D)        | (D)        | (D)     |
| 3339111464   | Discharge more than 4", up to 8".....                                                                                                                                                         | 10 c/       | 196 c/       | 7,884 r/   | 258 r/     | 4,498   |
| 3339111467   | Over 8" discharge.....                                                                                                                                                                        | 1           | (D)          | (D)        | (D)        | (D)     |
|              | Multistage, single or double suction, volute or diffuser design, axially split case.....                                                                                                      | (X)         | 6,173        | 63,591 r/  | 1,101      | 48,914  |
| 333911146C   | 4" discharge and under.....                                                                                                                                                                   | 13          | 5,782 c/     | 22,999 r/  | 888        | 28,566  |
| 333911146E   | Discharge more than 4", up to 8".....                                                                                                                                                         | 9           | (D)          | (D)        | 200 r/     | 18,848  |
| 333911146H   | Over 8" discharge.....                                                                                                                                                                        | 3           | (D)          | (D)        | 13         | 1,500   |
|              | Sealless centrifugal pumps, magnetic drive.....                                                                                                                                               | (X)         | 138,786      | 40,137 r/  | 164,038 r/ | 58,229  |
| 3339111471   | 1" discharge and under.....                                                                                                                                                                   | 13          | 133,682 b/   | 23,623     | 139,364 r/ | 23,028  |
| 3339111474   | Discharge more than 1", up to 2".....                                                                                                                                                         | 10 b/       | 4,409 b/     | 11,034     | (D)        | (D)     |
| 3339111477   | Over 2" discharge.....                                                                                                                                                                        | 8 b/        | 695 b/       | 5,480      | (D)        | (D)     |
|              | Sealless centrifugal pumps, canned motor.....                                                                                                                                                 | (X)         | (D)          | (D)        | (D)        | (D)     |
| 333911147C   | 1" discharge and under.....                                                                                                                                                                   | 8 c/        | 21,973 b/    | 12,152     | 18,555     | 10,867  |
| 333911147E   | Discharge more than 1", up to 2".....                                                                                                                                                         | 4           | (D)          | (D)        | (D)        | (D)     |
| 333911147H   | Over 2" discharge.....                                                                                                                                                                        | 4           | 1,727        | 1,992      | (D)        | (D)     |
|              | Propeller and mixed flow, horizontal and vertical including vertical turbine over 36".....                                                                                                    | (X)         | 3,425        | 60,386     | 3,253      | 61,311  |
| 3339111481   | 36" and under.....                                                                                                                                                                            | 18 b/       | 2,212 c/     | 39,293     | 2,252      | 42,311  |
| 3339111484   | Over 36".....                                                                                                                                                                                 | 13 c/       | 1,213 b/     | 21,093     | 1,001 r/   | 19,000  |
|              | All other centrifugal pumps.....                                                                                                                                                              | (X)         | 2,594,705    | 234,904    | 2,955,235  | 209,998 |
| 333911148K   | 6" discharge and under.....                                                                                                                                                                   | 40          | 2,594,013    | 208,577    | 2,953,753  | 191,755 |
| 333911148M   | Over 6" discharge.....                                                                                                                                                                        | 16          | 692 b/       | 26,327     | 1,482      | 18,243  |
|              | Centrifugal pumps, not specified by kind.....                                                                                                                                                 | 12          | 344,170      | 44,279     | 349,665 r/ | 42,027  |
|              | Vertical turbine pumps not exceeding 36" discharge,including deep-well:                                                                                                                       |             |              |            |            |         |
|              | Pump with submersible motor.....                                                                                                                                                              | (X)         | 32,331       | 62,476     | 29,953     | 55,466  |
| 3339111493   | Bowl diameter 6" and under.....                                                                                                                                                               | 21          | 19,572 a/    | 31,275     | 17,809     | 25,057  |
| 3339111498   | Bowl diameter over 6".....                                                                                                                                                                    | 18 c/       | 12,759 b/    | 31,201     | 12,144 r/  | 30,409  |
| 333911149F   | Pump and bowl assemblies through 36" (all column and shaft lengths, including FM or UL approved vertical turbine fire pumps; deep well and short coupled pumps, except can and pot type)..... | 14          | 29,622       | 139,389    | 21,111     | 96,598  |
| 333911149N   | Can and pot type (pump and bowl assemblies, suction can and pot type).....                                                                                                                    | 7           | 1,981        | 38,861 r/  | 1,744 r/   | 24,812  |
|              | Vertical turbine pumps, n.s.k. ....                                                                                                                                                           | 1           | 446          | 3,341      | 368 r/     | 2,455   |
|              | Reciprocating pumps:                                                                                                                                                                          |             |              |            |            |         |
| 33391114C3   | Direct-acting steam-driven.....                                                                                                                                                               | (X)         | (X)          | (X)        | (D)        | (D)     |
| 33391114C7   | Driven by electric motor, engine, or steam turbine:                                                                                                                                           |             |              |            |            |         |
|              | Reciprocating piston, plunger or diaphragm (not air operated) pumps.....                                                                                                                      | 36          | 561,743      | 225,447    | 437,657    | 214,996 |
| 33391114D5   | Diaphragm pumps (air operated).....                                                                                                                                                           | 19          | 1,296,909 b/ | 255,549 r/ | 1,906,521  | 233,862 |

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 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     |
|              | Rotary pumps:                                                                                                                                                                                                                                                                                          |             |              |            |            |           |
|              | 100 PSI and under designed pressure.....                                                                                                                                                                                                                                                               | (X)         | 828,208      | 241,480    | 857,713 r/ | 213,941   |
| 33391114R1   | 10 GPM and under, designed capacity.....                                                                                                                                                                                                                                                               | 32          | 651,102 b/   | 117,084    | 557,489    | 97,556    |
| 33391114R3   | 11 to 99 GPM, designed capacity.....                                                                                                                                                                                                                                                                   | 27          | 160,290      | 77,043     | 258,027 r/ | 61,429    |
| 33391114R5   | 100 to 299 GPM, designed capacity.....                                                                                                                                                                                                                                                                 | 14          | 15,476 b/    | 29,456     | (D)        | (D)       |
| 33391114R7   | 300 GPM and over, designed capacity.....                                                                                                                                                                                                                                                               | 11          | 1,340        | 17,897     | (D)        | (D)       |
|              | 101 to 249 PSI, designed pressure.....                                                                                                                                                                                                                                                                 | (X)         | 131,198      | 71,532     | 121,634    | 66,479    |
| 33391114RA   | 10 GPM and under, designed capacity.....                                                                                                                                                                                                                                                               | 13          | 87,442       | 19,715     | 80,728     | 19,465    |
| 33391114RC   | 11 to 99 GPM, designed capacity.....                                                                                                                                                                                                                                                                   | 12          | 30,516       | 27,471     | 28,740     | 25,150    |
| 33391114RE   | 100 GPM, and over, designed capacity.....                                                                                                                                                                                                                                                              | 8           | 13,240       | 24,346     | 12,166     | 21,864    |
|              | 250 to 500 PSI, designed pressure:                                                                                                                                                                                                                                                                     |             |              |            |            |           |
| 33391114RJ   | 10 GPM and under, designed capacity.....                                                                                                                                                                                                                                                               | 9           | 121,067      | 14,152     | 121,349    | 13,998    |
| 33391114RM   | 11 GPM, and over, designed capacity.....                                                                                                                                                                                                                                                               | 9           | 6,558        | 8,065      | 5,419      | 7,953     |
| 33391114RR   | Over 500 PSI, designed pressure.....                                                                                                                                                                                                                                                                   | 7           | (D)          | (D)        | (D)        | (D)       |
| 33391114T5   | Other industrial pumps, n.e.c.....                                                                                                                                                                                                                                                                     | 27          | 765,974 b/   | 112,018 r/ | 735,088    | 111,164   |
|              | Industrial pumps, n.s.k. 3/.....                                                                                                                                                                                                                                                                       | 67          | 66,439       | 25,188     | 70,101 r/  | 23,367    |
|              | Domestic water systems, including drivers.....                                                                                                                                                                                                                                                         | (X)         | 2,560,814    | 470,769    | 2,620,457  | 468,454   |
| 3339111167   | Nonsubmersible pump systems (jet and non-jet, including drivers).....                                                                                                                                                                                                                                  | 18          | 1,151,918    | 196,848    | 1,238,411  | 197,895   |
|              | Submersible pump systems, 5 hp and under, including drivers.....                                                                                                                                                                                                                                       | (X)         | 1,394,610    | 271,850    | 1,355,759  | 265,997   |
| 3339111172   | Up to 1 hp.....                                                                                                                                                                                                                                                                                        | 18 b/       | 1,024,381 b/ | 187,961    | 1,021,708  | 192,504   |
| 3339111175   | Over 1 to 3 hp.....                                                                                                                                                                                                                                                                                    | 14 c/       | 252,162 c/   | 63,014     | 226,330    | 54,596    |
| 3339111178   | Over 3 to 5 hp.....                                                                                                                                                                                                                                                                                    | 14 c/       | 118,067 b/   | 20,875     | 107,721    | 18,897    |
| 3339111190   | Domestic hand and windmill pumps, pump jacks, and cylinders ( sold separately, including drivers).....                                                                                                                                                                                                 | 4           | 9,989        | 1,305      | 21,667 r/  | 3,792     |
|              | Domestic water systems and related pumps, n.s.k. ..                                                                                                                                                                                                                                                    | 3           | 4,297        | 766 r/     | 4,620 r/   | 770       |
| 33391111pt.  | Domestic sump pumps, 1 hp and under, including drivers.....                                                                                                                                                                                                                                            | (X)         | 2,444,545    | 140,807    | 2,605,191  | 148,862   |
| 3339111235   | Pedestal, including drivers.....                                                                                                                                                                                                                                                                       | 19          | 192,875      | 10,581 r/  | 237,345 r/ | 12,827    |
|              | Submersible, including drivers.....                                                                                                                                                                                                                                                                    | (X)         | 2,245,054    | 129,852    | 2,360,795  | 135,640   |
| 3339111238   | 1/3 hp and under.....                                                                                                                                                                                                                                                                                  | 19 b/       | 1,926,065    | 104,652    | 2,040,048  | 110,132   |
| 3339111239   | Over 1/3 hp.....                                                                                                                                                                                                                                                                                       | 8           | 318,989      | 25,200 r/  | 320,747 r/ | 25,508    |
|              | Domestic sump pumps, n.s.k. 3/.....                                                                                                                                                                                                                                                                    | 5           | 6,616        | 374        | 7,051      | 395       |
| 3339111330   | Oil well and oilfield pumps (except boiler feed).....                                                                                                                                                                                                                                                  | (X)         | 50,899       | 256,278 r/ | 39,874 r/  | 198,724   |
| 3339111335   | Value of drivers 2/.....                                                                                                                                                                                                                                                                               | 7           | (X)          | 108,422    | (X)        | 85,713    |
| 3339111341   | Subsurface pumps for oil-well pumping.....                                                                                                                                                                                                                                                             | 9 b/        | 38,154       | 97,221 r/  | 32,447 r/  | 84,273    |
| 3339111352   | Mud pumps (slush pumps).....                                                                                                                                                                                                                                                                           | 3           | (D)          | (D)        | (D)        | (D)       |
| 3339111363   | Other oil well and oilfield pumps 4/.....                                                                                                                                                                                                                                                              | 8           | (D)          | (D)        | (D)        | (D)       |
|              | Oil well and oilfield pumps, n.s.k. 3/.....                                                                                                                                                                                                                                                            | 6           | 665          | 4,198 r/   | 521 r/     | 3,255     |
|              | Other pumps, n.e.c., including drivers.....                                                                                                                                                                                                                                                            | (X)         | 6,744,790    | 348,276    | 6,692,833  | 295,859   |
|              | Other pumps (except vacuum pumps, automotove pumps, measuring and dispensing or service station pumps, hand pumps, and hydraulic fluid power pumps), including oil burner and and appliance pumps, fire engine pumps, laboratory pumps, packaged pump units, hot water heating circulator pumps, etc.: |             |              |            |            |           |
| 3339111580   | Reported (or estimated from prior year reports).....                                                                                                                                                                                                                                                   | 30          | 6,722,524    | 347,042    | 6,670,739  | 294,811   |
|              | Estimated from other sources 3/.....                                                                                                                                                                                                                                                                   | 10          | 22,266       | 1,234 r/   | 22,094 r/  | 1,048     |
|              | Parts and attachments for pumps and pumping equipment whose product codes begub with 333911; made by manufacturers of complete units only.....                                                                                                                                                         | (X)         | (X)          | 798,438    | (X)        | 934,141   |
| 3339115144   | Aftermarket (spare) parts for centrifugal pumps.....                                                                                                                                                                                                                                                   | 61          | (X) b/       | 503,911    | (X)        | 658,640   |
| 3339115155   | Aftermarket (spare) parts for vertical turbine pumps.....                                                                                                                                                                                                                                              | 13          | (X)          | 49,171     | (X)        | 50,559    |
| 3339115166   | Aftermarket (spare) parts for reciprocating pumps....                                                                                                                                                                                                                                                  | 31          | (X)          | 110,055    | (X)        | 91,987    |
| 3339115199   | Other.....                                                                                                                                                                                                                                                                                             | 34          | (X) b/       | 135,301    | (X) r/     | 132,955   |
| 33391211pt.  | Air and gas compressors.....                                                                                                                                                                                                                                                                           | (X)         | (X)          | 2,462,203  | (X)        | 2,561,151 |
| 3339121115   | Value of drivers 2/.....                                                                                                                                                                                                                                                                               | 36          | (X) b/       | 275,815    | (X)        | 284,239   |
|              | Air compressors, new:                                                                                                                                                                                                                                                                                  |             |              |            |            |           |
|              | Stationary, reciprocating, single acting.....                                                                                                                                                                                                                                                          | (X)         | 673,158      | 253,202    | 608,878    | 282,049   |

Table 2. Quantity and Value of Shipments of Selected Construction Machinery: 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   |
| 3339121121                   | 1-1/2 hp and under.....                                                                                                                                                                                     | 19          | 262,438 a/ | 45,411    | 259,658   | 44,338  |
| 3339121124                   | Over 1-1/2 to 5 hp.....                                                                                                                                                                                     | 21 b/       | 175,810    | 78,945    | 147,870   | 93,415  |
| 3339121127                   | 6 to 25 hp.....                                                                                                                                                                                             | 22 b/       | 233,791 b/ | 116,845   | 199,992   | 129,792 |
| 333912112A                   | 26 and over.....                                                                                                                                                                                            | 12          | 1,119      | 12,001 r/ | 1,358     | 14,504  |
| 3339121133                   | Stationary, reciprocating, double acting.....                                                                                                                                                               | 8           | 55,949     | 37,316    | 21,162    | 30,635  |
| Stationary, rotary positive: |                                                                                                                                                                                                             |             |            |           |           |         |
| 3339121144                   | Discharge pressure 50 PSIG and under, all hp sizes.....                                                                                                                                                     | 9           | 75,250     | 35,002    | 78,022    | 32,163  |
|                              | Discharge pressure of 51 PSIG and over.....                                                                                                                                                                 | (X)         | 22,337     | 316,235   | 19,861    | 256,968 |
| 3339121151                   | 40 hp and under.....                                                                                                                                                                                        | 12 b/       | 12,370 b/  | 96,988    | 11,238    | 87,449  |
| 3339121154                   | 41-150 hp.....                                                                                                                                                                                              | 15          | 7,554      | 114,111   | 7,200     | 105,956 |
| 3339121157                   | 151-300 hp.....                                                                                                                                                                                             | 7           | 1,457      | 49,485    | 798       | 28,103  |
| 333912115A                   | 301 hp and over.....                                                                                                                                                                                        | 6           | 956        | 55,651    | 625       | 35,460  |
| 3339121166                   | Stationary, centrifugal and axial.....                                                                                                                                                                      | 10          | 23,506     | 165,358   | 23,930    | 189,012 |
|                              | Portable:                                                                                                                                                                                                   | (X)         | 2,360,060  | 536,023   | 2,919,395 | 704,011 |
| 3339121171                   | Under 11 CFM.....                                                                                                                                                                                           | 8           | 2,165,932  | 295,738   | (D)       | (D)     |
| 3339121174                   | 11 to 74 CFM.....                                                                                                                                                                                           | 9           | 178,965    | 43,727    | (D)       | (D)     |
| 3339121177                   | 75 to 124 CFM.....                                                                                                                                                                                          | 6 b/        | 469 a/     | 3,471     | 554       | 4,033   |
| 333912117A                   | 125 to 249 CFM.....                                                                                                                                                                                         | 6           | 11,050     | 95,705    | 12,378    | 108,673 |
| 333912117E                   | 250 to 599 CFM.....                                                                                                                                                                                         | 5           | (D)        | (D)       | 2,247     | 32,712  |
| 333912117H                   | 600 CFM and over.....                                                                                                                                                                                       | 5           | (D)        | (D)       | 1,914     | 76,624  |
| Gas compressors, new:        |                                                                                                                                                                                                             |             |            |           |           |         |
|                              | Stationary, centrifugal and axial:                                                                                                                                                                          | (X)         | 619        | 259,421   | 602       | 222,392 |
| 3339121183                   | Natural gas.....                                                                                                                                                                                            | 6           | 68         | 61,991    | 51        | 55,755  |
| 3339121188                   | All other gases.....                                                                                                                                                                                        | 8           | 551 b/     | 197,430   | 551       | 166,637 |
|                              | Stationary reciprocating:                                                                                                                                                                                   |             |            |           |           |         |
| 3339121199                   | Integral engine, including drivers.....                                                                                                                                                                     | 4           | (D)        | (D)       | (D)       | (D)     |
|                              | Other than integral engine:                                                                                                                                                                                 |             |            |           |           |         |
| 33391211A1                   | 1,000 hp and under.....                                                                                                                                                                                     | 16 a/       | 1,264 b/   | 71,447    | 1,124 r/  | 77,598  |
| 33391211A9                   | 1,001 hp and over.....                                                                                                                                                                                      | 8           | (D)        | (D)       | (D)       | (D)     |
| 33391211CC                   | Stationary rotary positive.....                                                                                                                                                                             | 7 c/        | 407 b/     | 66,636    | 450 r/    | 69,578  |
| 33391211FF                   | Other compressors (except for refrigeration, air-conditioning, and ice making), including rebuilt compressors, compressor packages, and packaged compressor units assembled from purchased compressors..... | 14          | 39,064     | 108,863   | 57,333    | 102,383 |
|                              | Air and gas compressors, n.s.k. 3/.....                                                                                                                                                                     | 16          | 54,583     | 44,925 r/ | 62,618 r/ | 46,730  |
| 3391110123                   | Laboratory vacuum pumps.....                                                                                                                                                                                | (X)         | 12,513     | 3,262     | 12,736    | 3,177   |
|                              | Laboratory vacuum pumps, including drivers and replacement parts.....                                                                                                                                       | 4           | 12,513     | 3,262     | 12,736    | 3,177   |
| 3339121pt.                   | Vacuum pumps, excluding laboratory.....                                                                                                                                                                     | (X)         | (X)        | 275,505   | (X) r/    | 221,956 |
| 3339121225                   | Value of drivers 2/.....                                                                                                                                                                                    | 13          | (X)        | 22,467    | (X)       | 21,480  |
|                              | Low vacuum, 29.5" mercury vacuum and lower:                                                                                                                                                                 |             |            |           |           |         |
| 3339121261                   | Under 5 hp.....                                                                                                                                                                                             | 18          | 258,649    | 62,558    | 287,224   | 59,806  |
| 3339121265                   | 5 hp and over.....                                                                                                                                                                                          | 16 b/       | 4,388 a/   | 37,703    | 4,346     | 32,615  |
|                              | High vacuum, 29.6" mercury vacuum and over:                                                                                                                                                                 |             |            |           |           |         |
| 3339121273                   | Under 5 hp.....                                                                                                                                                                                             | 14 c/       | 68,573     | 90,752    | 59,142 r/ | 58,551  |
| 3339121277                   | 5 hp and over.....                                                                                                                                                                                          | 7 a/        | 4,986 b/   | 41,770    | 3,781     | 33,186  |
|                              | Vacuum pumps, n.s.k. 3/.....                                                                                                                                                                                | 16          | 19,451     | 20,255 r/ | 20,485 r/ | 16,318  |
|                              | Parts and attachments for air and gas compressors and vacuum pumps whose product codes begin with 3563; made by manufacturers of complete units only.....                                                   | (X)         | (X)        | 301,123   | (X) r/    | 312,678 |
| 3339125111                   | Parts and attachments for air and gas compressors and vacuum pumps.....                                                                                                                                     | 42          | (X)        | 301,123   | (X) r/    | 312,678 |

D Withheld to avoid disclosing data of individual companies. n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.  
pt. Part. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Value includes parts but quantity does not.

2/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.

3/Not specified by kind, or "n.s.k.": Values and quantities for a number of manufacturing establishments (either delinquent or too small to be included in the survey) were estimated from the 1997 Census of Manufactures and subsequent other surveys and records. Estimates were made only to the product code level. Drivers may in some cases be included.

4/Power pumps for water flooding are reported in product code 333911363.

Note: Percent of estimation of each item is indicated as follows: a/16 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. Shipments, Exports, and Imports of Pumps and Compressors: 2000 and 1999  
[Quantity in number of units. Value in thousands of dollars]

| Product description                                                                    | Manufacturers' shipments 1/ |                    | Export Shipments 2/ |           | Import Shipments 4/ |         |
|----------------------------------------------------------------------------------------|-----------------------------|--------------------|---------------------|-----------|---------------------|---------|
|                                                                                        | Quantity                    | Value f.o.b. plant | Quantity            | Value /3  | Quantity            | Value/5 |
| 2000                                                                                   |                             |                    |                     |           |                     |         |
| Pumps 6/.....                                                                          | 22,334,847                  | 4,009,693          | 2,006,256           | 1,015,488 | 82,700,758          | 715,588 |
| Centrifugal pumps, submersible.....                                                    | 772,422                     | 258,302            | 459,695             | 80,232    | 1,772,413           | 40,812  |
| Centrifugal pumps, other 7/.....                                                       | 5,916,471                   | 1,319,546          | 144,399             | 300,371   | 14,912,359          | 272,997 |
| Turbine pumps, vertical.....                                                           | 64,380                      | 244,067            | 10,975              | 29,838    | 179,736             | 12,410  |
| Reciprocating pumps.....                                                               | (D)                         | (D)                | 87,037              | 81,519    | 547,083             | 80,464  |
| Diaphragm pumps.....                                                                   | 1,296,909                   | 255,549            | 160,893             | 89,928    | 810,934             | 26,544  |
| Rotary pumps.....                                                                      | (D)                         | (D)                | 46,957              | 122,898   | 564,032             | 55,003  |
| Oil well and oilfield pumps (except boiler feed).....                                  | 50,899                      | 256,278            | 8,765               | 78,470    | 13,057              | 13,971  |
| Domestic water systems, including windmill and hand pumps.....                         | 2,560,814                   | 470,769            | 508,459             | 31,631    | 50,367,689          | 42,527  |
| Other pumps, including sump pumps, hot water circulator pumps, etc. ....               | 9,955,309                   | 601,100            | 579,076             | 200,601   | 13,533,455          | 170,860 |
| Compressors 6/.....                                                                    | 3,253,019                   | 2,141,463          | 2,065,512           | 178,567   | 12,338,357          | 466,939 |
| Stationary air compressors:                                                            |                             |                    |                     |           |                     |         |
| Reciprocating, single and double acting 8/.....                                        | 729,107                     | 290,518            | (NA)                | (NA)      | 294,746             | 80,234  |
| Rotary positive, centrifugal, and axial 8/.....                                        | 121,093                     | 516,595            | (NA)                | (NA)      | 431,523             | 171,952 |
| Portable air compressors 8/.....                                                       | 2,360,060                   | 536,023            | 4,835               | 54,478    | 7,808,358           | 150,365 |
| Other air and gas compressors, including gas compressors, and compressor packages..... | 42,759                      | 798,327            | 2,060,677           | 124,089   | 3,803,730           | 64,388  |
| Vacuum pumps.....                                                                      | 368,560                     | 278,767            | 438,946             | 131,500   | 4,416,277           | 539,440 |
| 1999                                                                                   |                             |                    |                     |           |                     |         |
| Pumps 6/.....                                                                          | 23,072,809                  | 4,637,672          | 1,885,057           | 928,948   | 49,346,904          | 659,167 |
| Centrifugal pumps, submersible.....                                                    | 773,643                     | 245,613            | 244,456             | 73,068    | 1,364,056           | 42,181  |
| Centrifugal pumps, other 7/.....                                                       | 6,004,785                   | 1,240,052          | 140,333             | 285,907   | 12,441,688          | 247,028 |
| Turbine pumps, vertical.....                                                           | 53,176                      | 179,331            | 8,459               | 31,136    | 132,291             | 5,231   |
| Reciprocating pumps.....                                                               | (D)                         | (D)                | 89,241              | 83,626    | 666,365             | 82,444  |
| Diaphragm pumps.....                                                                   | 1,906,521                   | 233,862            | 125,599             | 53,646    | 818,844             | 19,774  |
| Rotary pumps.....                                                                      | (D)                         | (D)                | 53,876              | 115,287   | 586,009             | 46,141  |
| Oil well and oilfield pumps (except boiler feed).....                                  | 39,874                      | 198,724            | 5,971               | 55,798    | 32,211              | 3,994   |
| Domestic water systems, including windmill and hand pumps.....                         | 2,620,457                   | 468,454            | 429,413             | 37,874    | 22,157,531          | 38,217  |
| Other pumps, including sump pumps, hot water circulator pumps, etc. ....               | 10,026,061                  | 555,490            | 687,709             | 192,606   | 11,147,909          | 174,157 |
| Compressors 6/.....                                                                    | 3,012,543                   | 1,861,012          | 1,882,406           | 186,587   | 10,613,229          | 363,573 |
| Stationary air compressors:                                                            |                             |                    |                     |           |                     |         |
| Reciprocating, single and double acting 8/.....                                        | 630,040                     | 312,684            | (NA)                | (NA)      | 379,067             | 91,782  |
| Rotary positive, centrifugal, and axial 8/.....                                        | 121,813                     | 478,143            | (NA)                | (NA)      | 334,766             | 117,959 |
| Portable air compressors 8/.....                                                       | 2,201,181                   | 598,234            | 4,129               | 56,938    | 6,073,371           | 111,245 |
| Other air and gas compressors, including gas compressors, and compressor packages..... | 59,509                      | 471,951            | 1,878,277           | 129,649   | 3,826,025           | 42,587  |
| Vacuum pumps.....                                                                      | 387,714                     | 225,133            | 369,466             | 90,748    | 3,403,063           | 313,984 |

D Withheld to avoid disclosing data for individual companies. NA Not applicable.

1/Manufacturers' shipments generally exclude values of drivers. See Table 4 for comparability.

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

3/Excludes the value of drivers.

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

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

6/Manufacturers' shipments detail does not add to total because of such factors as drivers, parts, and "n.s.k."; see Table 1.

7/Manufacturers' shipments include n.s.k. (see Table 1) which is believed not to include submersible pumps.

8/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 North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Number: 2000

| Product code                                                                                                                                                                                                                                | Product description                                                      | Export number 1/ | Import number 2/ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------|------------------|
| 3339111424, 425, 428, 429, 42C, 42E, 42G, 42K, 42M                                                                                                                                                                                          | Centrifugal pumps, submersible.....                                      | 8413.70.2004     | 8413.70.2004     |
| 3339111411, 412, 444, 445, 447, 449, 44A, 44C, 44D, 44F, 44G, 44J, 44K, 44M, 44N, 44R, 451, 452, 454, 456, 457, 459, 45A, 45C, 45E, 45F, 45H, 45K, 45L, 45N, 461, 464, 467, 46C, 46E, 46H, 471, 474, 477, 47C, 47E, 47H, 481, 484, 48K, 48M | Centrifugal pumps, other.....                                            | 8413.70.1000     | 8413.70.1000     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2005     | 8413.70.2005     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2015     | 8413.70.2015     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2022     | 8413.70.2022     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2025     | 8413.70.2025     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2030     | 8413.70.2030     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2040     | 8413.70.2040     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.70.2090     | 8413.70.2090     |
| 3339111493, 498, 49F, 49N                                                                                                                                                                                                                   | Turbine pumps, vertical.....                                             | 8413.81.0020     | 8413.81.0020     |
| 33391114C3, 4C7                                                                                                                                                                                                                             | Reciprocating pumps.....                                                 | 8413.50.0090     | 8413.50.0090     |
| 33391114D5                                                                                                                                                                                                                                  | Diaphragm pumps.....                                                     | 8413.50.0050     | 8413.50.0050     |
| 33391114R1, 4R3, 4R5, 4R7, 4RA, 4RC, 4RE, 4RJ, 4RM, 4RR                                                                                                                                                                                     | Rotary pumps.....                                                        | 8413.60.0070     | 8413.60.0070     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.60.0090     | 8413.60.0090     |
| 3339111335, 341, 352, 363                                                                                                                                                                                                                   | Oil well and oilfield pumps (except boiler feed).....                    | 8413.50.0010     | 8413.50.0010     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.60.0050     | 8413.60.0050     |
| 3339111167, 172, 175, 178, 190                                                                                                                                                                                                              | Domestic water systems, including windmill and hand pumps .....          | 8413.20.0000     | 8413.20.0000     |
|                                                                                                                                                                                                                                             |                                                                          | 8413.81.0030     | 8413.81.0030     |
| 33391114T5, 235, 238, 239, 580                                                                                                                                                                                                              | Other pumps.....                                                         | 8413.81.0040     | 8413.81.0040     |
| 3339121121, 124, 127, 12A, 133                                                                                                                                                                                                              | Stationary air compressors, reciprocating, single and double acting..... | 8414.80.1018     | 8414.80.1505     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1042     | 8414.80.1515     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1055     | 8414.80.1525     |
|                                                                                                                                                                                                                                             |                                                                          |                  | 8414.80.1535     |
|                                                                                                                                                                                                                                             |                                                                          |                  | 8414.80.1540     |
|                                                                                                                                                                                                                                             |                                                                          |                  | 8414.80.1545     |
| 3339121144, 151, 154, 157, 15A, 166                                                                                                                                                                                                         | Stationary air compressors, rotary positive, centrifugal, and axial..... |                  | 8414.80.1555     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1060     | 8414.80.1560     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1067     | 8414.80.1565     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1075     | 8414.80.1570     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1080     | 8414.80.1575     |
|                                                                                                                                                                                                                                             |                                                                          |                  | 8414.80.1580     |
| 3339121171, 174, 177, 17A, 17E, 17H                                                                                                                                                                                                         | Portable air compressors.....                                            | 8414.40.0000     | 8414.40.0000     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.1095     | 8414.80.1585     |
| 3339121183, 188, 199, 1A1, 1A9, 1CC, 1FF                                                                                                                                                                                                    | Other compressors.....                                                   |                  | 8414.80.1590     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.2010     | 8414.80.2010     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.2050     | 8414.80.2050     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.2060     | 8414.80.2060     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.80.2070     | 8414.80.2070     |
| 3391110123, 3339121225, 261, 265, 273, 277                                                                                                                                                                                                  | Vacuum pumps.....                                                        | 8414.80.9000     | 8414.80.9000     |
|                                                                                                                                                                                                                                             |                                                                          | 8414.10.0000     | 8414.10.0000     |

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 (1999).