

5.6.1 U.S. Heating and Air Conditioning System Manufacturer Shipments, by Type (including exports)

<u>Equipment Type</u>	<u>1990 (1000s)</u>	<u>2000 (1000s)</u>	<u>2002 (1000s)</u>	<u>2002 Value of Shipments (\$million) (6)</u>
Air Conditioners (1)	2,920.0	5,346.0	5,262.7	4,256
Heat Pumps	808.7	1,539.2	1,679.5	1,305
Air-to-Air Heat Pumps	808.7	1,339.4	1,483.6	1,065
Water-Source Heat Pumps (2)	N.A.	199.8	195.9	240
Chillers	N.A.	38.1	41.9	1,068
Reciprocating	N.A.	24.8	30.3	479
Centrifugal/Screw	5.0	8.5	6.6	532
Absorption	N.A.	4.8	5.0	57
Furnaces	2,368.9	3,680.7	3,318.6	1,484
Gas-Fired (3)	1,950.5	3,104.2	3,201.6	1,414
Electric	280.0	455.0	N.A.	N.A.
Oil-Fired (4)	138.5	121.5	117.0	70
Boilers (5)	316.1	368.4	361.9	N.A.

Note(s): 1) Includes exports and gas air conditioners (gas units <10,000 units/yr) and rooftop equipment. It excludes heat pumps, packaged terminal A/C units, and room air conditioners. Approximately 95% of unitary air conditioners shipped are 5.5 tons or less (65,000 Btu/Hr). ~70% residential and ~30% commercial applications. 2) Includes ground-source heat pumps (GSHPs), which numbered around 37,100 units shipped in 2002. 3) Gas-fired furnace value of shipments are based on Census unit shipment data, which is about 43,000 units higher than the industry data shown. 4) Oil-fired furnace value of shipments are based on Census unit shipment data, which is approximately 24,200 units lower than the industry data shown. 5) 59% of boiler shipments were gas-fired and 41% were oil-fired. 6) Total 2002 value of shipments for refrigeration, air-conditioning, and heating equipment was \$18.7 billion, including industrial and excluding boilers and electric furnaces.

Source(s): ARI, Statistical Profile, April 25, 2003, Table 17, p. 24, Table 18, p. 25, and Table 22, p.30 for air conditioner, air-to-air heat pump, and 1990 centrifugal/screw chiller shipments; GAMA, GAMA Statistical Highlights: Ten Year Summary, 1987-1996; GAMA, GAMA Statistical Highlights: Ten Year Summary, 1994-2003 for furnace and boiler shipments; Appliance Manufacturer, Feb. 1998 for electric furnace; and DOC, Current Industrial Reports: Refrigeration, Air Conditioning and Warm Air Heating Equipment, MA333M(02)-1, July 2003, Table 2 for water-source heat pumps, chillers, and value of shipments.