

U.S. Census Bureau
Refrigeration, Air-Conditioning, and Warm Air Heating Equipment - 2010
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Address inquiries concerning these data to Investment Goods Industries Branch, U.S.
Department of Commerce, Census Bureau, Manufacturing and Construction Division,
Washington, DC 20233-6900, or call Kandace Pickeral, 301-763-9392.

Table 1. Value of Shipments of Refrigeration, Air-Conditioning, and Warm Air Heating Equipment: 2006 to 2010
[Millions of dollars]

Product Code	Product description	Year		Value
3334152 (pt.)	Heat transfer equipment (excluding room and unitary air-conditioners)	2010		4,984
		2009		4,492
		2008		5,288
		2007	a/	5,505
		2006		4,937
3334153 (pt.)	Commercial refrigeration equipment, mechanical drinking water coolers	2010		604
		2009	r/	483
		2008		412
		2007		490
		2006		472
3334155 (pt.)	Refrigeration condensing units, all refrigerants, excluding ammonia (complete)	2010		430
		2009	r/	382
		2008		402
		2007		392
		2006		358
3334156 (pt.)	Room air-conditioners and dehumidifiers (excluding portable dehumidifiers)	2010	a/	247
		2009	r/	254
		2008		266
		2007		486
		2006		473

3363917 (pt.)	Motor vehicle mechanical air-conditioning systems	2010	b/	2,834
		2009	r/	2,118
		2008		2,181
		2007	a/	2,069
		2006		2,333
333415A (pt.)	Compressors and compressor units, all refrigerants (excluding automotives)	2010		2,713
		2009		2,018
		2008		2,369
		2007		3,005
		2006		3,298
336391B (pt.)	Automotive air-conditioning compressors (open-type, with or without motor)	2010	b/	785
		2009	r/	693
		2008	a/	753
		2007	a/	1,134
		2006		1,424
333415C (pt.)	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating	2010		1,999
		2009		1,828
		2008		1,829
		2007		2,090
		2006		2,205
333415E (pt.)	Unitary air-conditioners, excluding air source heat pumps	2010		6,252
		2009		6,022
		2008		6,994
		2007		7,603
		2006		7,402

333415F (pt.)	Air source heat pumps, excluding room air-conditioners	2010	a/	2,155
		2009	a/	2,138
		2008		2,000
		2007		2,030
		2006		1,987
333415G (pt.)	Ground and ground water source heat pumps (single and split systems)	2010		(D)
		2009		(D)
		2008	c/	295
		2007	c/	266
		2006		198

Table 2. Quantity and Value of Shipments of Refrigeration, Air-Conditioning, and Warm Air Heating Equipment: 2010 and 2009
[Quantity in number of units. Value in thousands of dollars]

Product Code	Product description	Year	Companies	Quantity			Value
3334152 (pt.)	Heat transfer equipment (excluding room and unitary air-conditioners)	2010	(X)	(X)			4,983,558
		2009		(X)			4,492,373
3334152102	Heat transfer packaged terminal air-conditioners and heat pumps	2010	7	(D)			(D)
		2009		(D)			(D)
3334152105	Heat transfer evaporative condensers, 100 tons and under	2010	7	b/	445	a/	6,073
		2009			1,046		16,573
3334152107	Heat transfer evaporative condensers, over 100 tons	2010	6	a/	1,278	a/	73,068
		2009			938		55,990
3334152109	Heat transfer room fan-coil air conditioning units, vertical stack	2010	5	a/	13,895	a/	14,700
		2009		a/	18,323	a/	21,368
3334152111	Heat transfer room fan-coil air conditioning units, vertical	2010	6	64,890			74,246
		2009		66,972			78,906
3334152113	Heat transfer room fan-coil air conditioning units, horizontal	2010	5	38,858			28,248
		2009		42,672			29,142
3334152117	Heat transfer central station air-handling units (motor-driven fan-type), draw through	2010	12	41,252			595,281
		2009		61,552			629,917
3334152119	Heat transfer central station air-handling units (motor-driven fan-type), blow through	2010	7	5,145			126,001
		2009		6,926		r/	143,819
3334152121	Heat transfer central station air-handling units (motor-driven fan-type), heating and ventilating	2010	6	1,731			68,280
		2009		1,643			65,659
3334152124	Heat transfer coolers (refrigeration), ceiling, wall-mounted, and floor-mounted unit coolers, 18,000 Btuh and below	2010	5	(X)			71,402
		2009		(X)			118,829
3334152133	Heat transfer coolers (refrigeration), ceiling, wall-mounted, and floor-mounted unit coolers, over 18,000 Btuh	2010	10	(X)			133,684
		2009		(X)			148,231
3334152135	Heat transfer coolers (refrigeration), air cooled refrigerant condensers (remote-type), under 30 tons	2010	11	8,211			80,530
		2009		10,801		r/	66,608
3334152137	Heat transfer coolers (refrigeration), air cooled refrigerant condensers (remote-type), 30 to 50 tons	2010	5	1,560			11,184
		2009		1,541			11,077
3334152139	Heat transfer coolers (refrigeration), air cooled refrigerant condensers (remote-type), over 50 tons	2010	5	(D)			(D)
		2009		(D)			(D)
3334152141	Miscellaneous heat transfer equipment, shell-and-tube, shell-and-coil, shell-and-u-tube, tube-in-tube, condensers	2010	3	(X)			(D)
		2009		(X)			32,826

3334152143	Miscellaneous heat transfer equipment, shell-and-tube, shell-and-coil, shell-and-u-tube, tube-in-tube, liquid coolers	2010	8	(X)	(D)
		2009		(X)	
3334152145	Miscellaneous heat transfer equipment, liquid-suction heat heat exchangers and refrigerant liquid receivers	2010	3	(X)	2,604
		2009		(X)	9,363
3334152147	Miscellaneous heat transfer equipment, central system finned coils (air-conditioning and refrigeration type), standard steam and steam distributing tube	2010	8	(X)	16,497
		2009		(X)	16,535
3334152149	Miscellaneous heat transfer equipment, central system finned coils (air-conditioning and refrigeration type), standard water cooling and/or heating and cleanable tube	2010	9	(X)	75,567
		2009		(X)	b/r/ 84,783
3334152151	Miscellaneous heat transfer equipment, central system finned coils (air-conditioning and refrigeration type), volatile refrigerant cooling	2010	9	(X)	36,355
		2009		(X)	r/ 35,781
3334152153	Miscellaneous heat transfer equipment, coil sales by original equipment manufacturers intended for resale or assembly into equipment by other manufacturers (all types), copper and aluminum	2010	12	(X)	a/ 338,675
		2009		(X)	r/ 260,582
3334152155	Miscellaneous heat transfer equipment, coil sales by original equipment manufacturers intended for resale or assembly into equipment by other manufacturers (all types), aluminum (only)	2010	6	(X)	104,985
		2009		(X)	63,088
3334152157	Miscellaneous heat transfer equipment, coil sales by original equipment manufacturers intended for resale or assembly into equipment by other manufacturers (all types), other (including steel and copper)	2010	6	(X)	a/ 36,931
		2009		(X)	35,117
3334152163	Heat transfer centrifugal liquid chilling packages, hermetic and open types	2010	7	5,427	717,968
		2009		4,730	686,026
3334152169	Heat transfer ice-making machines, self-contained ice-cube makers, automatic, under 200 lb	2010	4	42,293	43,039
		2009		61,699	55,522
3334152171	Heat transfer ice-making machines, self-contained ice-cube makers, automatic, 200 lb and over	2010	5	(X)	102,696
		2009		(X)	84,524
3334152173	Heat transfer ice-making machines, self-contained flake or chip machines, 300 lbs and under	2010	3	(D)	(D)
		2009		546	1,369
3334152175	Heat transfer ice-making machines, self-contained flake or chip machines, over 300 lbs	2010	6	21,368	50,728
		2009		17,958	42,016
3334152177	Heat transfer ice-making machines, not self-contained	2010	7	107,723	258,408
		2009		94,876	217,791
3334152179	Heat transfer ice-making machines, combination ice makers and ice/drink dispensers	2010	5	74,635	181,612
		2009		62,367	150,330
3334152185	Heat transfer reciprocating air and reciprocating water cooled, air cooled screw, air cooled scroll, and water cooled scroll machines, 20 hp and under	2010	17	6,318	76,987
		2009		5,229	r/ 70,646
3334152187	Heat transfer reciprocating air and reciprocating water cooled, air cooled screw, air cooled scroll, and water cooled scroll machines, 21 to 49 hp	2010	14	7,579	59,923
		2009		6,250	43,123

3334152189	Heat transfer reciprocating air and reciprocating water cooled, air cooled screw, air cooled scroll, and water cooled scroll machines, 50 to 75 hp	2010 2009	13	4,631 3,745		89,054 79,667
3334152191	Heat transfer reciprocating air and reciprocating water cooled, air cooled screw, air cooled scroll, and water cooled scroll machines, over 75 hp	2010 2009	11	5,348 4,602		294,501 264,244
3334152193	Heat transfer factory-fabricated water cooling towers	2010 2009	8	4,335 3,874	r/ r/	172,840 153,849
3334152195	Other heat transfer equipment including room air-induction units, mechanical refrigeration systems used on all types of vehicles, and absorption refrigeration and dehydration systems	2010 2009	10	91,935 108,641		789,429 518,680
3334153 (pt.)	Commercial mechanical refrigerated drinking water coolers (including bottle drinking water coolers)	2010 2009	(X)	678,552 591,503	r/ r/	604,011 483,478
3334153146	Commercial mechanical refrigerated drinking water coolers (including bottle drinking water coolers)	2010 2009	6	678,552 591,503	r/ r/	604,011 483,478
3334155 (pt.)	Total refrigeration condensing units, all refrigerants, excluding ammonia (complete)	2010 2009	(X)	309,734 257,914	r/	430,140 381,508
3334155123	Condensing units, refrigeration (complete), air-cooled hermetic-type, 1 hp and under	2010 2009	11	221,554 180,799	r/	216,941 173,527
3334155125	Condensing units, refrigeration (complete), air-cooled hermetic-type, 1.5 hp	2010 2009	7	19,955 17,833	r/ r/	47,343 56,345
3334155128	Condensing units, refrigeration (complete), air-cooled hermetic-type, 2 hp and 2.5 hp	2010 2009	7	19,592 17,112	r/	24,699 23,649
3334155130	Condensing units, refrigeration (complete), air-cooled hermetic-type, 3 hp	2010 2009	7	17,402 15,909		22,858 20,406
3334155132	Condensing units, refrigeration (complete), air-cooled hermetic-type, over 3 hp but under 15 hp	2010 2009	12	23,351 18,841	r/	64,168 62,685
3334155144	Condensing units, refrigeration (complete), water-cooled hermetic-type, under 15 hp	2010 2009	2	(D) (D)		(D) (D)
3334155161	Condensing units, refrigeration (complete), water or air-cooled hermetic-type, 15 hp	2010 2009	7	889 926		5,844 6,343
3334155163	Condensing units, refrigeration (complete), water or air-cooled hermetic-type, 20 hp	2010 2009	6	596 566		5,238 4,588
3334155165	Condensing units, refrigeration (complete), water or air-cooled hermetic-type, 25 hp	2010 2009	6	450 408		4,926 2,948
3334155167	Condensing units, refrigeration (complete), water or air-cooled hermetic-type, 30 hp	2010 2009	4	732 595		10,141 7,067
3334155170	Condensing units, refrigeration (complete), water or air-cooled hermetic-type, 40 hp and over	2010 2009	5	923 1,212		17,351 14,940

3334155180	Condensing units, refrigeration (complete), water or air-cooled open-type (all sizes)	2010 2009	4	(D) (D)		(D) (D)
3334155181	Other Refrigeration condensing units not shown above	2010 2009	(X)	0 0		0 0
3334156 (pt.)	Total room air-conditioners and dehumidifiers (excluding portable dehumidifiers)	2010 2009	(X)	(X) (X)	a/ r/	247,497 254,375
3334156100	Total room air-conditioners and dehumidifiers (excluding portable dehumidifiers)	2010 2009	12	(X) (X)	a/ r/	247,497 254,375
3334156911	Total number of room air conditioners designed to operate on 115 volt circuits	2010 2009	(X)	(D) (D)		(X) (X)
3363917 (pt.)	Motor vehicle mechanical air-conditioning systems	2010 2009	(X)	(X) (X)	b/ r/	2,834,203 2,117,564
3363917100	Motor vehicle mechanical air-conditioning systems	2010 2009	28	(X) (X)	b/ r/	2,834,203 2,117,564
333415A (pt.)	Total compressors and compressor units, all refrigerants (excluding automotives)	2010 2009	(X)	(X) (X)		2,713,358 2,017,794
333415A125	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, under 10 hp	2010 2009	8	8,839,632 7,862,907		1,958,415 1,682,256
333415A130	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, 15 hp	2010 2009	7	(D) (D)		(D) (D)
333415A132	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, 20 hp	2010 2009	7	(D) (D)		(D) (D)
333415A134	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, 25 hp	2010 2009	7	(D) (D)		(D) (D)
333415A136	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, 30 hp	2010 2009	6	(D) (D)		(D) (D)
333415A145	Compressors and compressor units, all refrigerants (excluding ammonia), hermetic-type motor compressors, 40 hp and over	2010 2009	8	(D) (D)		(D) (D)
333415A150	Other Compressors and compressor units, all refrigerants (excluding ammonia), including open and screw type	2010 2009	10	8,657 8,924		407,952 69,648
333415A158	Compressors and compressor units, ammonia refrigerants (all types)	2010 2009	6	2,198 1,767		148,987 110,663
336391B (pt.)	Automotive air-conditioning compressors (open-type, with or without motor)	2010 2009	(X)	5,794,418 a/r/ 4,154,720	b/ r/	784,722 693,126
336391B100	Automotive air-conditioning compressors (open-type, with or without motor)	2010 2009	7	5,794,418 a/r/ 4,154,720	b/ r/	784,722 693,126

333415C (pt.)	Total warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating	2010 2009	(X)	(X) (X)	1,999,473 1,827,669
333415C101	Warm air furnaces and humidifiers, oil, forced air, 150,000 Btuh bonnet output and under	2010 2009	14 r/	28,444 46,097	33,012 43,537
333415C105	Warm air furnaces and humidifiers, oil, forced air, 150,001 Btuh bonnet output and over	2010 2009	9	(D) (D)	(D) (D)
333415C107	Warm air furnaces and humidifiers, gas, forced air, 150,000 Btuh bonnet output and under	2010 2009	16 r/	3,026,263 2,664,852	1,878,045 1,702,550
333415C112	Warm air furnaces and humidifiers, gas, forced air, 150,001 Btuh bonnet output and over	2010 2009	10	4,116 4,169	b/ 16,484 17,117
333415C179	All other electric warm air furnaces	2010 2009	3	(D) (D)	(D) (D)
333415C181	Humidifiers (attachments to warm air furnaces) all types, including central systems and self-contained (excluding portable humidifiers)	2010 2009	11	379,099 337,098	b/ 65,383 b/r/ 57,564
333415E (pt.)	Total unitary air-conditioners, excluding air source heat pumps	2010 2009	(X)	(X) (X)	6,251,785 6,022,027
333415E107	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, under 27,000 Btuh	2010 2009	12	5,467 (D)	7,866 (D)
333415E109	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 27,000 to 32,999 Btuh	2010 2009	10	5,301 18,249	6,256 24,055
333415E111	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 33,000 to 53,999 Btuh	2010 2009	12	31,516 36,069	49,245 r/ 57,401
333415E113	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 54,000 to 64,999 Btuh	2010 2009	12 r/	30,122 25,207	65,494 r/ 51,399
333415E115	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 65,000 to 96,999 Btuh	2010 2009	9 r/	11,780 13,748	38,643 40,526
333415E117	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 97,000 to 134,999 Btuh	2010 2009	10	13,013 12,871	61,274 57,572
333415E119	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 135,000 to 184,999 Btuh	2010 2009	11	7,774 6,857	50,958 44,652
333415E121	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 185,000 to 249,999 Btuh	2010 2009	10	3,832 3,552	40,132 36,922
333415E123	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 250,000 to 319,999 Btuh	2010 2009	8	2,497 2,282	29,851 27,621
333415E135	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 320,000 to 379,999 Btuh	2010 2009	7	836 773	17,924 r/ 16,799

333415E141	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), horizontal, 380,000 Btuh and over	2010	8	r/	1,877	r/	82,410
		2009			2,330		106,376
333415E149	Single package air-conditioners, with or without evaporator fans (including refrigeration chassis and remote-condenser type), other than horizontal, 96,999 Btuh and over	2010	4		(D)		(D)
		2009			19,321		41,806
333415E155	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), under 33,000 Btuh	2010	11	r/	58,955	r/	83,619
		2009			64,767		88,783
333415E157	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 33,000 to 38,999 Btuh	2010	11		62,957		119,372
		2009			73,859		136,759
333415E159	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 39,000 to 43,999 Btuh	2010	10		17,254		29,262
		2009			18,987		30,960
333415E161	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 44,000 to 53,999 Btuh	2010	11		41,561		95,004
		2009			50,509		114,669
333415E163	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 54,000 to 64,999 Btuh	2010	15	r/	77,832	r/	200,710
		2009			69,800		183,481
333415E165	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 65,000 to 134,999 Btuh	2010	11		85,823		403,957
		2009			79,759		360,687
333415E167	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 135,000 to 184,999 Btuh	2010	10		23,526		171,585
		2009			21,261		149,257
333415E169	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 185,000 to 249,999 Btuh	2010	12		9,830		121,049
		2009			9,259		114,342
333415E171	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 250,000 to 319,999 Btuh	2010	9		4,464		69,934
		2009			4,434		69,444
333415E173	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 320,000 to 379,999 Btuh	2010	8		1,195		29,010
		2009			1,226		29,596
333415E175	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 380,000 to 539,999 Btuh	2010	7		995		32,288
		2009			1,128		45,364
333415E177	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 540,000 to 639,999 Btuh	2010	7		673		32,662
		2009			627		31,944
333415E179	Year-round air-conditioners, single package and remote-condenser type (excluding heat pumps), 640,000 Btuh and over	2010	7	a/	696	a/	54,142
		2009			924		74,142
333415E181	Water source heat pumps (excluding room air- conditioners)	2010	9		170,788		317,575
		2009			180,101		320,437
333415E182	Split system air-conditioning condensing units, under 22,000 Btuh	2010	12		193,705	a/	104,625
		2009			246,589		122,182
333415E183	Split system air-conditioning condensing units, 22,000 to 26,999 Btuh	2010	12		678,895	a/	417,221
		2009			703,645		414,811

333415E185	Split system air-conditioning condensing units, 27,000 to 32,999 Btuh	2010	11	a/	544,902	a/	364,047
		2009		a/	551,818	a/	356,535
333415E187	Split system air-conditioning condensing units, 33,000 to 38,999 Btuh	2010	11	a/	758,840		592,698
		2009		a/	767,082		570,873
333415E189	Split system air-conditioning condensing units, 39,000 to 43,999 Btuh	2010	9	a/	289,604	a/	245,888
		2009		a/	275,358	a/	225,141
333415E191	Split system air-conditioning condensing units, 44,000 to 53,999 Btuh	2010	11	a/	432,352	a/	455,373
		2009		a/	429,184	a/	433,732
333415E193	Split system air-conditioning condensing units, 54,000 to 64,999 Btuh	2010	10	a/	337,169	a/	379,319
		2009		a/	369,092	a/	402,078
333415E195	Split system air-conditioning condensing units, 65,000 to 96,999 Btuh	2010	7		15,260		26,817
		2009			16,719		28,280
333415E197	Split system air-conditioning condensing units, 97,000 to 134,999 Btuh	2010	7		11,918		28,300
		2009			15,101		33,046
333415E199	Split system air-conditioning condensing units, 135,000 to 184,999 Btuh	2010	7		5,291		19,581
		2009			7,757		28,287
333415E19A	Split system air-conditioning condensing units, 185,000 to 249,999 Btuh	2010	7		2,589		12,927
		2009			3,425		17,143
333415E19C	Split system air-conditioning condensing units, 250,000 to 319,999 Btuh	2010	5		1,166		9,177
		2009			1,273		9,409
333415E19E	Split system air-conditioning condensing units, 320,000 to 379,999 Btuh	2010	5		939		8,508
		2009			1,043		8,945
333415E19G	Split system air-conditioning condensing units, 380,000 to 539,999 Btuh	2010	5		762		9,402
		2009			858		10,143
333415E19K	Split system air-conditioning condensing units, 540,000 and over	2010	4		990		18,200
		2009			1,201		22,313
333415E19M	Split system air-conditioning coils, with blower	2010	9		1,713,249		992,049
		2009			1,543,274		772,417
333415E19P	Split system air-conditioning coils, without blower	2010	6		1,322,232		301,672
		2009			1,085,321		241,617
333415E20R	Other unitary air-conditioners, including recreational vehicle types, excluding any source of heat pumps	2010	4		(D)		(D)
		2009			(D)		(D)
333415F (pt.)	Total air source heat pumps, excluding room air-conditioners	2010	(X)	a/	1,770,677	a/	2,155,119
		2009		a/r/	1,777,196	a/	2,137,858
333415F123	Air source heat pumps (excluding room air- conditioners), single package, under 27,000 Btuh	2010	12		22,188		32,527
		2009		r/	20,956	r/	29,621

333415F134	Air source heat pumps (excluding room air- conditioners), single package, 27,000 to 41,999 Btuh	2010	13	r/	73,505		123,990
		2009			75,719		125,672
333415F145	Air source heat pumps (excluding room air- conditioners), single package, 42,000 to 64,999 Btuh	2010	13		77,123		156,780
		2009			72,642		143,749
333415F156	Air source heat pumps (excluding room air- conditioners), single package, 65,000 Btuh and over	2010	10		13,725		62,804
		2009			12,213		54,012
333415F167	Air source heat pumps (excluding room air- conditioners), split system, under 27,000 Btuh	2010	8	a/	477,483	a/	410,291
		2009			484,594		405,750
333415F178	Air source heat pumps (excluding room air- conditioners), split system, 27,000 to 41,999 Btuh	2010	8	a/	698,246	b/	776,089
		2009			698,179		775,994
333415F189	Air source heat pumps (excluding room air- conditioners), split system, 42,000 to 64,999 Btuh	2010	8	a/	395,448	a/	560,336
		2009			398,468		564,567
333415F195	Air source heat pumps (excluding room air- conditioners), split system, 65,000 Btuh and over	2010	7		12,959		32,302
		2009			14,425		38,493
333415G (pt.)	Ground and ground water source heat pumps (single and split systems)	2010	(X)		(D)		(D)
		2009			(D)		(D)
333415G100	Ground and ground water source heat pumps (single and split systems)	2010	6		(D)		(D)
		2009			(D)		(D)
333415H (pt.)	Total all refrigerants (excluding ammonia) for household refrigerators	2010	(X)		(D)		(X)
		2009			(D)		(X)
333415H903	Refrigerants (excluding ammonia) for household refrigerators, under 20 hp	2010	(X)		(D)		(X)
		2009			(D)		(X)
333415H915	Refrigerants (excluding ammonia) for household refrigerators, 20hp	2010	(X)		4,840		(X)
		2009			5,287		(X)
333415H916	Refrigerants (excluding ammonia) for household refrigerators, 25hp	2010	(X)	a/	4,256		(X)
		2009			4,353		(X)
333415H917	Refrigerants (excluding ammonia) for household refrigerators, 30hp	2010	(X)	a/	5,108		(X)
		2009			5,376		(X)
333415H918	Refrigerants (excluding ammonia) for household refrigerators, 40 hp	2010	(X)	a/	5,094		(X)
		2009			5,478		(X)
333415H924	Refrigerants (excluding ammonia) for household refrigerators, 50 hp and over	2010	(X)	a/	12,859		(X)
		2009			22,292		(X)
333415H (pt.)	Automotive air-conditioning, including passenger automobiles, trucks, buses, agriculture, and construction equipment	2010	(X)		(D)		(X)
		2009			(D)		(X)
333415H101	Automotive air-conditioning, including passenger automobiles, trucks, buses, agriculture, and construction equipment	2010	(X)		(D)		(X)
		2009			(D)		(X)

333415H (pt.)	Ammonia refrigerants	2010	(X)	(D)	(X)
		2009		(D)	(X)
333415H102	Ammonia refrigerants	2010	(X)	(D)	(X)
		2009		(D)	(X)

Table 3. Shipments, Exports, and Imports of Air-Conditioning and Refrigeration Equipment: 2010 and 2009
[Value in thousands of dollars]

Product code 1/	Product description	Year		Manufactures' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 2/3/	Imports for consumption 4/5/
3334152 (pt.)	Heat transfer equipment (excluding room and unitary air-conditioners)	2010		4,983,558	450,102	327,616
		2009		4,492,373	362,333	251,829
3334153 (pt.)	Commercial refrigeration equipment, mechanical drinking water coolers	2010		604,011	12,474	98,107
		2009	r/	483,478	8,908	100,442
3334155 (pt.)	Refrigeration condensing units, all refrigerants, excluding ammonia (complete)	2010		430,140	45,652	97,538
		2009	r/	381,508	44,480	70,917
3334156 (pt.)	Room air-conditioners and dehumidifiers (excluding portable dehumidifiers)	2010	a/	247,497	86,576	884,079
		2009	r/	254,375	55,089	979,150
3363917 (pt.)	Motor vehicle mechanical air-conditioning systems	2010	b/	2,834,203	(X)	(X)
		2009	r/	2,117,564	(X)	(X)
333415A (pt.)	Compressors and compressor units, all refrigerants (excluding automotives)	2010		2,713,358	942,543	1,523,690
		2009		2,017,794	779,665	1,116,163
336391B (pt.)	Automotive air-conditioning compressors (open-type, with or without motor)	2010	b/	784,722	(X)	(X)
		2009	r/	693,126	(X)	(X)
333415C (pt.)	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating	2010		1,999,473	(X)	(X)
		2009		1,827,669	(X)	(X)
333415E (pt.)	Unitary air-conditioners, excluding air source heat pumps	2010		6,251,785	456,033	692,396
		2009		6,022,027	409,978	617,299
333415F (pt.)	Air source heat pumps, excluding room air-conditioners	2010	a/	2,155,119	(X)	(X)
		2009	a/	2,137,858	(X)	(X)

333415G (pt.)	Ground and ground water source heat pumps (single and split systems)	2010	(D)	(X)	(X)
		2009	(D)	(X)	(X)

Footnotes:

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

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

3/ Dollar value represents the c.i.f. (cost, insurance, and freight) value at the port of export.

4/ Source: Census Bureau report IM 145, U.S. Imports for Consumption. Data include both import value and duty value.

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

Table 4. Comparison of North American Industry Classification System (NAICS-Based) Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2010

Product code	Product description	Export code 1/	Import code 2/
3334152 (pt.)	Heat transfer equipment (excluding room and unitary air-conditioners)	8415.82.0130	8415.82.0130
		8415.82.0135	8415.82.0135
		8418.69.0110	8418.69.0110
		8418.69.0140	8418.69.0140
		8418.69.0150	8418.69.0150
		8418.69.0160	8418.69.0160
3334153 (pt.)	Commercial refrigeration equipment, mechanical drinking water coolers	8418.69.0120	8418.69.0120
3334155 (pt.)	Refrigeration condensing units, all refrigerants, excluding ammonia (complete)	8418.99.0005	8418.99.8005
		8418.99.0010	8418.99.8010
		8418.99.0015	8418.99.8015
		8418.99.0020	8418.99.8020
		8418.99.0025	8418.99.8025
3334156 (pt.)	Room air-conditioners and dehumidifiers (excluding portable dehumidifiers)	8415.10.3040	8415.10.3040
		8415.10.3060	8415.10.3060
		8415.10.3080	8415.10.3080
		8415.82.0150	8415.82.0155 8415.82.0160
3363917 (pt.)	Motor vehicle mechanical air-conditioning systems	(X)	(X)
333415A (pt.)	Compressors and compressor units, all refrigerants (excluding automobiles)	8414.30.4000	8414.30.4000
		8414.30.8010	8414.30.8010
		8414.30.8020	8414.30.8020
		8414.30.8030	8414.30.8030
		8414.30.8050	8414.30.8050
		8414.30.8060	8414.30.8060
		8414.30.8070	8414.30.8070
		8414.30.8080	8414.30.8080
		8414.30.8090	8414.30.8090
336391B (pt.)	Automotive air-conditioning compressors (open-type, with or without motor)	(X)	(X)
333415C (pt.)	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating	(X)	(X)
333415E (pt.)	Unitary air-conditioners, excluding air source heat pumps	8415.81.0110	8415.81.0110
		8415.81.0120	8415.81.0120
		8415.81.0130	8415.81.0130
		8415.82.0105	8415.82.0105
		8415.82.0110	8415.82.0110
		8415.82.0115	8415.82.0115
		8415.82.0120	8415.82.0120
		8415.83.0050	8415.83.0050
		8415.83.0060	8415.83.0060

333415F (pt.)	Air source heat pumps, excluding room air-conditioners	(X)	(X)
333415G (pt.)	Ground and ground water source heat pumps (single and split systems)	(X)	(X)

Footnotes:

1/ Source: 2010 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2010).

Symbols:

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

(X) - Not applicable.

(NA) - Not available.

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

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

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

(nehp) - Net engine horsepower

(btuh) - British thermal units per hour

(pt.) Part.

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

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

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

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

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

HISTORICAL NOTE

The Census Bureau has collected data on air-conditioning and refrigeration since 1944.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.