

Table B46. Refrigeration Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
	All Buildings*	Buildings with Any Refrigeration Equipment	Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
			Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Residential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Building Floorspace (Square Feet)								
1,001 to 5,000	6,789	4,333	1,310	916	366	935	3,174	830
5,001 to 10,000	6,585	4,738	1,406	909	497	894	3,609	1,407
10,001 to 25,000	11,535	8,646	2,230	1,188	614	1,665	6,725	4,072
25,001 to 50,000	8,668	7,068	2,829	1,626	676	1,933	5,289	4,910
50,001 to 100,000	9,057	8,038	4,291	3,124	1,354	2,438	5,760	6,342
100,001 to 200,000	9,064	8,096	5,116	4,148	1,926	3,302	5,667	6,578
200,001 to 500,000	7,176	6,238	4,606	4,199	2,034	2,685	4,524	5,691
Over 500,000	5,908	5,816	4,979	4,146	2,958	3,366	4,136	5,506
Principal Building Activity								
Education	9,874	9,066	6,485	5,157	2,634	3,470	6,460	7,127
Food Sales	1,255	1,210	1,177	1,069	804	902	306	551
Food Service	1,654	1,651	1,616	1,495	491	1,234	605	426
Health Care	3,163	3,013	2,131	1,942	1,244	1,671	2,656	2,262
Inpatient	1,905	1,905	1,869	1,828	1,178	1,508	1,667	1,776
Outpatient	1,258	1,108	262	Q	Q	163	989	485
Lodging	5,096	4,780	3,333	2,844	985	2,035	3,696	4,199
Retail (Other Than Mall).....	4,317	3,447	1,336	670	651	1,152	2,276	1,952
Office	12,208	10,642	4,045	2,757	1,972	2,530	8,335	7,661
Public Assembly	3,939	3,302	1,805	1,235	308	1,494	2,258	1,607
Public Order and Safety	1,090	1,031	565	Q	Q	Q	883	868
Religious Worship	3,754	3,163	821	Q	Q	635	2,881	731
Service	4,050	2,992	Q	Q	Q	Q	2,464	1,902
Warehouse and Storage	10,078	6,499	2,032	1,517	Q	775	4,667	4,719
Other	1,738	1,570	841	780	Q	682	986	1,189
Vacant	2,567	608	Q	Q	Q	Q	Q	Q
Year Constructed								
Before 1920	3,769	2,939	1,297	990	396	807	2,323	1,074
1920 to 1945	6,871	5,006	2,580	1,853	1,079	1,566	4,088	3,426
1946 to 1959	7,045	6,028	3,544	2,399	1,242	2,114	4,700	3,332
1960 to 1969	8,101	6,610	3,090	2,324	1,226	2,117	4,898	4,699
1970 to 1979	10,772	8,830	4,422	3,461	1,818	2,889	6,412	6,208
1980 to 1989	10,332	8,725	4,728	3,840	1,866	3,247	6,253	6,219
1990 to 1999	12,360	10,347	4,568	3,341	1,627	2,880	7,130	7,248
2000 to 2003	5,533	4,488	2,539	2,046	1,172	1,597	3,081	3,127
Census Region and Division								
Northeast	12,905	10,842	5,936	4,452	2,361	3,652	8,288	6,559
New England	2,964	2,474	1,107	889	389	790	2,037	1,569
Middle Atlantic	9,941	8,367	4,830	3,563	1,972	2,861	6,251	4,990
Midwest	17,080	14,082	7,122	5,201	2,120	4,400	10,792	9,400
East North Central	11,595	9,538	5,286	3,860	1,679	3,228	7,247	6,583
West North Central	5,485	4,544	1,835	1,341	441	1,172	3,545	2,817
South	23,489	19,103	9,638	7,469	4,298	6,514	13,162	13,534
South Atlantic	12,258	10,256	5,426	4,324	2,581	3,568	7,043	7,066
East South Central	3,393	2,829	1,145	862	420	941	1,834	2,056
West South Central	7,837	6,018	3,067	2,284	1,297	2,004	4,285	4,412
West	11,310	8,947	4,072	3,132	1,646	2,652	6,642	5,841
Mountain	3,675	3,028	1,398	1,073	672	781	2,232	2,058
Pacific	7,635	5,919	2,674	2,059	974	1,871	4,410	3,783

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			Commercial Refrigeration				Other Refrigeration	
			Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Residential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	10,622	8,673	4,106	3,188	1,296	2,495	6,713	5,824
5,500-7,000 HDD	17,335	14,438	7,355	5,353	2,808	4,601	10,957	9,186
4,000-5,499 HDD	11,504	9,893	5,702	4,341	2,220	3,654	7,367	6,729
Fewer than 4,000 HDD	15,739	12,329	5,784	4,490	2,408	3,793	8,479	8,220
2,000 CDD or More and --								
Fewer than 4,000 HDD	9,584	7,640	3,821	2,882	1,694	2,675	5,369	5,375
Number of Floors								
One	25,981	18,869	7,620	5,257	2,649	4,813	13,230	10,272
Two	16,270	13,758	6,309	4,898	2,010	3,937	10,456	8,818
Three	7,501	6,550	3,065	2,044	990	2,174	5,021	4,575
Four to Nine	10,085	9,083	6,002	5,185	2,447	3,566	6,744	7,521
Ten or More	4,947	4,715	3,773	2,871	2,328	2,727	3,433	4,150
Number of Workers (main shift)								
Fewer than 5	15,492	8,221	2,390	1,159	449	1,717	6,271	2,239
5 to 9	6,166	5,109	1,592	867	378	1,182	3,862	1,938
10 to 19	7,803	6,608	2,182	1,538	491	1,136	5,242	3,516
20 to 49	10,989	9,759	4,415	3,262	1,262	2,873	7,011	6,949
50 to 99	7,934	7,346	4,475	3,693	1,447	2,363	5,084	6,197
100 to 249	6,871	6,619	4,399	3,776	2,193	2,877	4,726	5,960
250 or More	9,528	9,313	7,314	5,960	4,204	5,068	6,687	8,536
Weekly Operating Hours								
Fewer than 40	6,863	3,376	933	557	242	561	2,808	763
40 to 48	11,622	9,130	3,156	2,190	1,109	1,968	7,358	5,286
49 to 60	15,723	12,833	5,218	3,745	1,815	2,973	9,804	8,207
61 to 84	10,334	9,304	4,350	2,996	1,625	2,844	6,490	6,234
85 to 167	7,092	6,384	4,314	3,184	1,554	2,987	3,941	4,639
Open Continuously	13,149	11,947	8,797	7,582	4,081	5,885	8,484	10,205
Multibuilding Facility								
Not Part of a Multibuilding								
Facility	40,048	33,711	16,426	11,954	6,307	10,842	24,007	20,526
College or University	3,480	3,041	1,295	1,009	Q	902	1,780	2,805
Primary or Secondary School	3,947	3,195	2,352	2,092	901	1,171	2,287	2,384
Office Complex	2,712	2,059	857	604	484	575	1,658	1,650
Retail Complex	1,238	833	265	Q	Q	219	651	623
Religious Campus or Complex	2,347	1,940	870	Q	Q	320	1,743	763
Health Care Complex	2,303	2,233	1,858	1,754	959	1,421	2,032	1,975
Lodging or Resort Complex	912	850	492	Q	Q	427	584	682
Government Complex	2,014	1,441	799	Q	Q	Q	1,177	1,305
Other	5,783	3,671	1,554	1,306	Q	1,021	2,965	2,622

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			Commercial Refrigeration				Other Refrigeration	
			Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Residential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Energy Sources (more than one may apply)								
Electricity	63,307	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Natural Gas	43,468	38,436	21,376	16,719	8,485	14,146	28,365	26,647
Fuel Oil	15,157	14,221	9,936	8,267	4,557	6,636	11,118	11,387
District Heat	5,443	4,568	2,716	2,131	1,395	2,005	3,163	4,108
District Chilled Water	2,853	2,594	1,490	1,091	593	1,056	1,899	2,376
Propane	7,076	6,065	3,237	2,495	1,268	2,012	4,473	4,132
Other	1,401	1,231	616	466	200	417	957	850
Energy End Uses (more than one may apply)								
Buildings with Space Heating	60,028	51,451	26,088	19,764	10,165	16,707	37,825	34,470
Buildings with Cooling	56,940	50,080	25,872	19,803	10,202	16,729	36,662	34,063
Buildings with Water Heating	56,478	50,212	26,153	19,986	10,145	16,882	36,777	33,964
Buildings with Cooking	22,237	22,193	19,665	16,422	8,532	13,219	15,911	16,471
Buildings with Manufacturing	3,138	2,771	973	756	Q	530	2,170	2,338
Buildings with Electricity Generation	12,821	12,351	9,247	7,765	4,617	6,272	9,564	11,183
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	22,223	22,193	19,665	16,422	8,532	13,219	15,911	16,471
Activities with Large Amounts of Hot Water	19,482	19,029	15,765	13,809	6,973	10,493	13,751	15,022
Separate Computer Area	26,873	25,237	16,650	13,420	7,695	10,097	18,674	21,343

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

See "Guide to the Tables" for discussion of the differences.

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample.

Notes: ● HVAC = Heating, Ventilation, and Air Conditioning. ● Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.