

Capacity and Growth of Refrigerated Warehousing by Country

The largest cold storage industries are in India, the United States, and China (Figure 1). Data for the countries reporting during 2010-2014 are shown in Table 1, for all refrigerated space in the respective markets. In most locations worldwide, it is difficult to make the distinction between refrigerated space available for hire or dedicated to a particular user. India is now the country with the largest refrigerated warehouse capacity, according to GCCA sources. India reported 30.4 million metric tons of capacity, which upon application of GCCA standard conversion factors is 131 million cubic meters (m³).

The figures in this report are the most complete available to document the trends in this growing industry. Certain limitations should be noted when the aggregations and growth trends are interpreted, including the potential for error due to (1) using conversion factors on original responses that were provided in different units, and (2) the difficulty in distinguishing public warehouse space (for hire) from privately managed warehouses. Please refer to the appendix for more detail on the assumptions and calculation methods used in this report.

Figure 1:

Capacity of Refrigerated Warehouses, Twenty Largest Country Markets, 2012 and 2014 as available, in Million Cubic Meters.

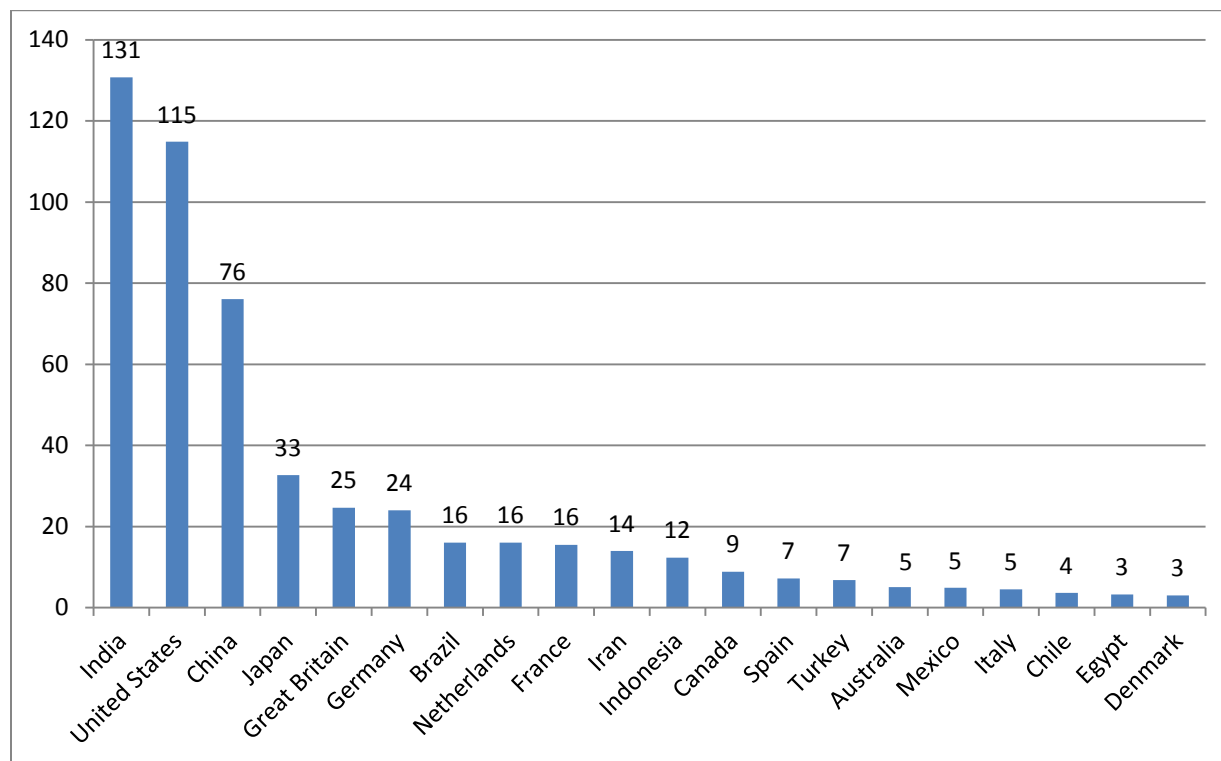


Table 3:**Capacity of Refrigerated Warehouses and Selected Economic Indicators, by Country**

Country	Area under Refrigeration, Million m ³	Year of Capacity Report	Growth in Personal Disposable Income 2012-2013	Growth in Per-Capita Grocery Sales at Modern Outlets, CAGR 2008-2013
Afghanistan	0.024	2014	-	-
Australia	5.084	2014	3.4%	2.2%
Austria	1.000	2014	2.1%	0.3%
Bangladesh	0.129	2014	-	-
Belgium	2.720	2014	2.1%	2.6%
Brazil	16.050	2014	10.2%	8.3%
Canada	8.850	2014	3.8%	2.1%
Chile	3.658	2014	8.2%	8.4%
China	76.080	2014	10.8%	7.6%
Colombia	0.100	2014	6.5%	2.6%
Denmark	3.000	2014	0.9%	0.5%
Dominican Republic	0.024	2014	8.0%	15.8%
Egypt	3.250	2014	12.4%	10.2%
El Salvador	0.042	2014	-	-
Ethiopia	0.000	2012	-	-
Finland	1.000	2014	1.3%	3.1%
France	15.500	2014	1.1%	0.6%
Germany	23.950	2014	2.2%	1.2%
Great Britain	15.000	2014	4.0%	3.1%
Greece	1.200	2014	-7.3%	-4.0%
Guatemala	0.035	2014	8.0%	10.0%
Hungary	0.292	2012	2.5%	2.1%
India	130.720	2014	12.0%	8.9%
Indonesia	12.320	2014	12.8%	18.5%
Iran	14.000	2014	35.9%	29.4% ¹
Ireland	2.200	2012	0.3%	-0.1%
Italy	4.500	2014	0.1%	0%
Japan	32.650	2014	0.7%	0.2%
Kuwait	0.281	2014	3.3%	-
Libya	0.250	2014	-	-
Mexico	4.869	2014	5.2%	4.6%
Morocco	1.700	2014	6.5%	10.7% ²
Namibia	0.150	2014	-	-
Nepal	0.259	2014	-	-
Netherlands	16.025	2014	0.2%	1.8%

Country	Area under Refrigeration, Million m ³	Year of Capacity Report	Growth in Personal Disposable Income 2012-2013	Growth in Per-Capital Grocery Retail Outlets, CAGR 2008-2013
New Zealand	1.711	2014	1.8%	2.8%
Nigeria	0.010	2014	16.8%	17.6% ¹
Norway	1.500	2014	5.2%	1.8%
Oman	0.021	2014	-	-
Panama	0.137	2014	-	-
Peru	0.437	2014	8.1%	10.4%
Poland	0.800	2012	2.1%	10.2%
Portugal	1.400	2012	-1.5%	0%
Romania	0.292	2014	6.9%	13.9%
Saudi Arabia	1.395	2014	6.2%	9.1%
South Africa	0.323	2014	8.0%	6.6%
Spain	7.200	2012	-1.5%	-0.3%
Sweden	1.500	2012	3.4%	1.9%
Switzerland	1.184	2012	2.0%	0%
Tanzania	0.022	2012	-	-
Tunisia	1.310	2014	9.8%	8.0%
Turkey	6.804	2014	11.4%	8.7%
Ukraine	0.840	2012	9.0%	11.1% ¹
United States	114.851	2014	3.1%	1.1%
Uruguay	0.980	2012	13.6%	9.1%
Uzbekistan	1.075	2014	21.0%	17.0%
Yemen	0.057	2014	-	-

Sources: GCCA survey, Euromonitor Passport database.

¹-4 years through 2008 to 2012.

²-3 years through 2010 to 2013.

Table 4:
Estimated Annual Growth in Refrigerated Warehouse Capacity, through 2014.

Compound annual growth rate (%) 2008-2014		Compound annual growth rate (10-year) (%) 2004-2014	
Turkey	68.11	Turkey	36.64
India	42.99	Netherlands	26.15
Peru	36.50	Brazil	21.98
China	34.67	Great Britain	13.04
Great Britain	31.21	Germany	8.50
Chile	30.05	United States	5.58
Namibia	27.41	Belgium	5.45
Mexico	26.51	Italy	4.14
Brazil	26.25	Canada	3.39
Poland	19.70	France	1.87
France	11.64	Spain	1.84
Germany	11.23	Japan	1.75
Portugal	10.80		
Sweden	9.81	<i>1998-2014</i>	
United States	9.29	Turkey	24.66
Denmark	8.73	India	19.78
Belgium	5.80	China	11.95

Figure 3

Compound Annual Growth Rate in Refrigerated Warehouse Capacity, in % by Country, Annualized for 2008—2014.

