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HVAC Equipment: Canada

August 2018



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About This Report

Scope

This report forecasts to 2022 HVAC equipment demand and shipments in nominal US dollars at the manufacturer level in Canada. Total demand is segmented by product in terms of:

- unitary air conditioners
- warm air furnaces
- boilers
- room air conditioners
- heat pumps
- other products such as chillers, dehumidifiers, and humidifiers

Total demand is also segmented by market as follows:

- commercial
- residential

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; shipments and the various segments are reported at five-year intervals for 2007, 2012, and 2017.

Portable versions of equipment such as heaters, dehumidifiers, and humidifiers are not included in this report. Ventilation systems, including air handlers, ductwork, and radiators, are also outside the scope of this report.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2017. All figures cited are in US dollars unless otherwise specified.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

HVAC Equipment: Canada (FA75034) is based on *Global HVAC Equipment*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the

About This Report

synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 6 | NAICS & SIC Codes Related to HVAC Equipment

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
333414	Heating equipment (except warm air furnaces) manufacturing	3433	Heating equipment, except electric and warm air furnaces
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	3585	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

About This Report

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Global HVAC Equipment, August 2018

Freedonia Industry Studies

Global Commercial Refrigeration Equipment, August, 2018

Commercial Refrigeration Equipment in the US, April 2018

US HVAC Market Forecasts, June 2017

Air Conditioning Equipment Market in the US, May 2017

Heating Equipment Market in the US, April 2017

Heat Pump Market in the US, March 2017

Global Air & Fluid Filters Market, January 2017

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Air Conditioning Equipment: United States

Construction: United States

Global Housing

Heat Pumps: United States

Nonresidential Building Construction: United States

World Major Household Appliances

World Prefabricated Housing

Freedonia Custom Research

Trade Publications

Air Conditioning, Heating & Refrigeration News

Appliance DESIGN Magazine

Heat Pumping Technologies Magazine

IEA Heat Pump Centre

JARN

Agencies & Associations

Air Conditioning, Heating, and Refrigeration Institute

American Society of Heating, Refrigerating, and Air-Conditioning Engineers

Environment and Climate Change Canada

Heating, Refrigeration and Air Conditioning Institute of Canada

Institute of Heating and Air Conditioning Industries

Mechanical Contractors Association of Canada

National Resources Canada

Statistics Canada

United Nations Comtrade