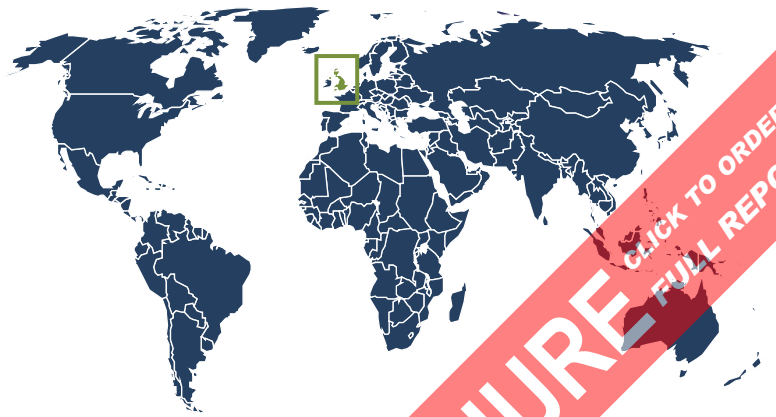




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HVAC Equipment: United Kingdom

August 2018



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	6
Technology & Product Innovation	7
Environmental & Regulatory Factors	9
HVAC Equipment Supply & Demand	11
3. Segmentation & Forecasts	13
Products	13
Boilers	14
Room Air Conditioners	15
Unitary Air Conditioners	15
Warm Air Furnaces	16
Heat Pumps	17
Other HVAC Equipment	17
Markets	19
Commercial	20
Residential	20
4. Industry Structure	22
Industry Characteristics	22
Market Leaders	23
Bosch	23
Daikin	24
Mitsubishi	25
5. About This Report	26
Scope	26
Sources	26
Industry Codes	27
Freedonia Methodology	27
Resources	29

List of Tables & Figures

Figure 1 UK: Key Trends in HVAC Equipment Demand, 2017 – 2022	3
Figure 2 UK: HVAC Equipment Demand Trends, 2007 – 2017	4
Table 1 UK: Key Indicators for HVAC Equipment Demand, 2007 – 2022 (2016US\$ bil)	6
Table 2 UK: HVAC Equipment Demand & Shipments, 2007 – 2022 (US\$ mil)	11
Figure 3 UK: HVAC Equipment Demand by Product, 2007 – 2022 (US\$ mil)	13
Table 3 UK: HVAC Equipment Demand by Product, 2007 – 2022 (US\$ mil)	13
Figure 4 UK: HVAC Equipment Demand by Product, 2007 – 2022 (%)	18
Figure 5 UK: HVAC Equipment Demand by Market, 2007 – 2022 (US\$ mil)	19
Table 4 UK: HVAC Equipment Demand by Market, 2007 – 2022 (US\$ mil)	19
Figure 6 UK: HVAC Equipment Demand by Market, 2007 – 2022 (%)	21
Table 5 UK: Leading Suppliers to the HVAC Equipment Market	23
Table 6 HS Codes Related to HVAC Equipment	27

About This Report

Scope

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

- boilers
- room air conditioners
- unitary air conditioners
- warm air furnaces
- 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.

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: United Kingdom (FB75034) is based on *Global HVAC Equipment*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

About This Report

- 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 | HS Codes Related to HVAC Equipment

HS Code	Definition
7322.90	Air heaters and hot air distributors, (not electrically heated), incorporating a motor-driven fan or blower and parts
8403.10	Central heating boilers
8415.10	Air conditioning machines; of a kind designed to be fixed to a window, wall, ceiling or floor, self-contained or split-system
8415.81	Air conditioning machines; other than window or wall types, incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps)
8415.82	Air conditioning machines; other than window or wall types, incorporating a refrigerating unit
8415.83	Air conditioning machines; other than window or wall types, not incorporating a refrigerating unit
8416.10	Furnace burners for liquid fuel
8416.20	Furnace burners for pulverized solid fuel or gas, including combination burners

Source: United Nations Statistics Division

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

About This Report

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.

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

Chartered Institution of Building Services Engineers

European Heat Pump Association (EHPA)

Eurostat

Federation of Environmental Trade Associations

Heating & Ventilating Contractors Association

International Monetary Fund

United Nations Comtrade

World Customs Organization