Freedonia Focus Reports
Global Collection

HVAC Equipment:
United Kingdom

July 2021

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About This Report

Scope

This report forecasts to 2025 heating, ventilation, and air conditioning (HVAC) equipment demand and shipments in nominal US dollars at the manufacturer level in the United Kingdom. Total demand is segmented by product in terms of:

- central heating boilers
- room air conditioners
- unitary air conditioners
- warm air furnaces
- heat pumps
- other products such as absorption chillers, dehumidifiers, liquid chillers, and packaged terminal air conditioners

Total demand is also segmented by market as follows:

- nonresidential
- residential

To illustrate historical trends, total demand is provided in annual series from 2010 to 2020; shipments and the various segments are reported at five-year intervals for 2010, 2015, and 2020.

Excluded from the scope of this report are:

- portable versions of equipment such as air conditioners, heaters, dehumidifiers, and humidifiers
- sanitary hot water heat pumps
- heat pumps used to solely produce hot water, to heat pools, or to provide refrigeration
- products associated with combined heat and power generation systems
- ventilation systems, including air handlers and ductwork
- fluid circulation systems, including radiators used with boilers
- used and rental equipment
- equipment used in vehicles

Housing units located in a structure whose primary purpose is something other than habitation, such as a small living space contained in a larger retail facility, are outside of the report's scope.

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 2020.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, 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, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and nongovernmental 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 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

Freedonia Industry Studies

Commercial Refrigeration Equipment

Global Commercial Refrigeration Equipment

Global Filters

Global Foamed Plastic Insulation

Global Housing

Global Industrial & OEM Insulation

Global Insulation

Global Major Household Appliances

Global Prefabricated Housing

HVAC Equipment

Insulation

Prefabricated Housing

Freedonia Focus Reports

Architectural Services: United States

Commercial Refrigeration Equipment: United Kingdom

Construction: United States

COVID-19 Market Impact Analysis

Global Demographics

Global Macroeconomy

Heating Equipment: United States

Heat Pumps: United States

Industrial & OEM Insulation: Europe

Industrial Fasteners: Europe

Lodging Services: United States

Plumbing Fixtures & Fittings: United Kingdom

Restaurants & Foodservice: Europe

Freedonia Custom Research

Trade Publications

Air Conditioning, Heating & Refrigeration News

Assembly

Engineered Systems

Heat Pumping Technologies Magazine

IEA Heat Pump Centre

Agencies & Associations

Air Conditioning and Refrigeration Industry Board

Air-Conditioning, Heating, and Refrigeration Institute

Association of Professionals in Industry of Climate

European Heat Pump Association

Eurostat

International Council of Air-Conditioning, Refrigeration, and Heating
    Manufacturers Associations

International Monetary Fund

Organisation for Economic Co-operation and Development

United Nations Comtrade

World Bank

World Customs Organization