

Air Handling Unit (AHU) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 144 pages | IMARC Group

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Report description:

Market Overview:

The global air handling unit (AHU) market size reached US\$ 9.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 13.2 Billion by 2028, exhibiting a growth rate (CAGR) of 5.6% during 2023-2028.

The air handling unit (AHU), or air handler, refers to a central air filtration system that reconditions the air to maintain indoor temperatures and air quality. It is commonly assembled using a metallic frame that is made of galvanized steel, aluminum and other alloys and is equipped with double-walled panels for energy efficiency. It primarily consists of multiple ventilators for air supply and exhaust, heating and cooling coils, air filter chambers, sound attenuators and dampers. It is connected to an elaborate duct system inside the complex that transfers the conditioned air across the floors and returns it to the core for reconditioning.

The global market for AHUs is primarily being driven by the increasing demand for energy-efficient heating, ventilating and air conditioning (HVAC) systems across the globe. This can be attributed to the widespread adoption of central cooling conditioners and heating equipment in medium to large residential, commercial and industrial complexes, owing to rapid industrialization and urbanization across the globe. Increasing awareness among the consumers regarding the benefits of maintaining adequate indoor air quality is also providing a boost to the market growth. AHUs can filter out toxic air pollutants that can cause various medical ailments and respiratory disorders, including chronic obstructive pulmonary disease (COPD), ischemic heart disease, asthma and lung cancer. Additionally, various technological advancements, such as the integration of sensors in AHU units for movement-activated air conditioning and the development of cost-effective 3D printed units, are creating a positive impact on the market growth. Other factors, including extensive infrastructural development and construction of smart cities, especially in the emerging economies, are projected to drive the market further.

Key Market Segmentation:

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IMARC Group provides an analysis of the key trends in each sub-segment of the global air handling unit (AHU) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, capacity and end-user.

Breakup by Type:

- Packaged
- Modular
- Custom
- DX Integrated
- Low Profile (Ceiling)
- Rooftop Mounted
- Others
-

Breakup by Capacity:

- 5000 m3/h
- 5001-15000 m3/h
- 15001-30000 m3/h
- 30001-50000 m3/h
- 50001 m3/h
-

Breakup by End-User:

- Non-Residential
- Residential
-

Breakup by Region:

- North America
-
- United States
- Canada
-
- Asia Pacific
-
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
-
- Europe
-

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- Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others
 -
 - Latin America
 -
 - Brazil
 - Mexico
 - Others
 -
 - Middle East and Africa
 -
- Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Systemair AB, Carrier Global Corporation, CIAT Group, Daikin Industries, Ltd., FlaktGroup Holding GmbH, GEA Group Aktiengesellschaft, VTS Polska Sp., Johnson Controls, Inc., Lennox International Inc., Sabiana S.p.A., Swegon Group AB, Trane Technologies Company, LLC, and TROX GROUP.

Key Questions Answered in This Report:

- How has the global air handling unit market performed so far and how will it perform in the coming years?
- What are the key regional markets?
- What has been the impact of COVID-19 on the global air handling unit market?
- What is the breakup of the market based on the type?
- What is the breakup of the market based on the capacity?
- What is the breakup of the market based on the end-user?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global air handling unit market and who are the key players?
- What is the degree of competition in the industry?

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