

Air-Conditioning Equipment Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type (Unitary Air Conditioners, Room Air Conditioners, Packaged Terminal Air Conditioners, Other Product Types), By Components (Refrigerant, Compressor, Condenser Coil, Expansion Valve, Evaporator Coil), By Application

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Abstracts

The Air-Conditioning Equipment Market is valued at USD 197.7 billion in 2025 and is projected to grow at a CAGR of 4.5% to reach USD 294.1 billion by 2034. The air-conditioning equipment market is a mature sector, driven by the need for thermal comfort and air quality control in residential, commercial, and industrial spaces. This market encompasses a range of products, including split systems, packaged units, and central air conditioners. These devices are designed to regulate temperature, humidity, and air quality, ensuring occupant comfort and health. The market is characterized by continuous technological advancements, driven by the need for energy efficiency and improved performance. The scope of this market extends across various sectors, including residential, commercial, and industrial. The focus is on developing energy-efficient, reliable, and user-friendly air-conditioning equipment. The adoption of smart home technologies and sustainable practices is facilitating a shift from traditional air conditioners to connected, eco-friendly devices.

2024 has seen significant advancements in the air-conditioning equipment market, with a focus on energy efficiency and smart controls. We've witnessed increased adoption of variable refrigerant flow (VRF) systems and inverter technology. The integration of IoT sensors and Wi-Fi connectivity has improved user control and automation. Furthermore, there's been a noticeable increase in the development of air purifiers combined with air

conditioners. The development of air conditioners using eco-friendly refrigerants has also accelerated, addressing environmental concerns. The use of solar powered air conditioners has increased. The integration of AI for predictive maintenance has also increased.

The air-conditioning equipment market is expected to experience continued growth and innovation. We anticipate further advancements in AI-powered personalized climate control, enabling optimized energy consumption and user comfort. The integration of renewable energy sources will enhance sustainability and reduce energy costs. We also expect to see increased use of advanced nanomaterials and filtration techniques. The rise of smart building ecosystems will drive the need for solutions that can seamlessly integrate with other building systems. Furthermore, the focus will shift towards developing multi-functional air-conditioning equipment, combining cooling, heating, and air purification. The use of advanced data analytics for optimizing system performance will increase. We will also see increased focus on developing air-conditioning equipment for specialized environments, such as medical and cleanroom environments.

Key Insights Air-Conditioning Equipment Market

Energy Efficiency: Adoption of VRF systems and inverter technology.

Smart Controls: Integration of IoT sensors and Wi-Fi connectivity.

Air Purification Integration: Combining air conditioning with air purification.

Eco-Friendly Refrigerants: Addressing environmental concerns.

AI-Powered Personalized Control: Optimized energy consumption and user comfort.

Demand for Thermal Comfort: Need for temperature and humidity control.

Energy Efficiency Requirements: Reducing energy consumption and operating costs.

Technological Advancements: Innovations in sensor technology and AI.

Growing Disposable Income: Increased spending on home comfort products.

Environmental Impact and Sustainability: Reducing energy consumption and refrigerant emissions.

Air-Conditioning Equipment Market Segmentation

By Product Type

Unitary Air Conditioners

Room Air Conditioners

Packaged Terminal Air Conditioners

Other Product Types

By Components

Refrigerant

Compressor

Condenser Coil

Expansion Valve

Evaporator Coil

By Application

Residential

Commercial

Industrial

Key Companies Analysed

Daikin Industries Ltd

Midea Group Co. Ltd

Haier Group

Carrier Global Corporation

Hitachi Ltd

Samsung Electronics

Mitsubishi Electric Corporation

LG Electronics

Fujitsu General Ltd.

Electrolux AB

LEEL Electricals Ltd (Lloyd)

Johnson Controls-Hitachi Air Condition India Ltd

Amber Enterprises India Ltd

Blue Star Ltd

Voltas Ltd

AUX Group

Gree Electric Appliances

Inc

Abionik Group

Accruent

Actron Engineering Pty Ltd

WAECO

Stefani Spa

OAG Industries

ERRECINQUE S.R.L

VULKAN Group

KLIMA-THERM Group

Frapol

Autoclima

CPS

Aquatherm

MDV

KOMFOVENT

CaptiveAire Systems

Greenheck Fan Corporation

Twin City Fan Companies Ltd

Honeywell International Inc

Nortek Air Solutions

Carrier Airconditioning & Refrigeration Limited

MW Solutions

Nomad Go

Maxell Trading LLC

Daikool Industries Limited

Geo Electrical Contracting Trading Company LLC

SilkAir International LLC

Temperature Control Company LLC

Tecnalco Aluminum Technical Engineering Company

Aaf-Mcquay (L.L.C)

Arshi Air Conditioning & Refrigeration Co

Air Group

Ebair Condition

Miraco

Airmaster Emirates

Van Tech

Airco

HVAC Distributors

ITD Group

Air-Conditioning Equipment Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Air-Conditioning Equipment Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Air-Conditioning Equipment market data and outlook to 2034

United States

Canada

Mexico

Europe — Air-Conditioning Equipment market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Air-Conditioning Equipment market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Air-Conditioning Equipment market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Air-Conditioning Equipment market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Air-Conditioning Equipment value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Air-Conditioning Equipment industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in

shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Air-Conditioning Equipment Market Report

Global Air-Conditioning Equipment market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Air-Conditioning Equipment trade, costs, and supply chains

Air-Conditioning Equipment market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Air-Conditioning Equipment market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Air-Conditioning Equipment market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Air-Conditioning Equipment supply chain analysis

Air-Conditioning Equipment trade analysis, Air-Conditioning Equipment market price analysis, and Air-Conditioning Equipment supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Air-Conditioning Equipment market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL AIR-CONDITIONING EQUIPMENT MARKET SUMMARY, 2025

- 2.1 Air-Conditioning Equipment Industry Overview
 - 2.1.1 Global Air-Conditioning Equipment Market Revenues (In US\$ billion)
- 2.2 Air-Conditioning Equipment Market Scope
- 2.3 Research Methodology

3. AIR-CONDITIONING EQUIPMENT MARKET INSIGHTS, 2024-2034

- 3.1 Air-Conditioning Equipment Market Drivers
- 3.2 Air-Conditioning Equipment Market Restraints
- 3.3 Air-Conditioning Equipment Market Opportunities
- 3.4 Air-Conditioning Equipment Market Challenges
- 3.5 Tariff Impact on Global Air-Conditioning Equipment Supply Chain Patterns

4. AIR-CONDITIONING EQUIPMENT MARKET ANALYTICS

- 4.1 Air-Conditioning Equipment Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Air-Conditioning Equipment Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Air-Conditioning Equipment Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Air-Conditioning Equipment Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Air-Conditioning Equipment Market
 - 4.5.1 Air-Conditioning Equipment Industry Attractiveness Index, 2025
 - 4.5.2 Air-Conditioning Equipment Supplier Intelligence
 - 4.5.3 Air-Conditioning Equipment Buyer Intelligence
 - 4.5.4 Air-Conditioning Equipment Competition Intelligence
 - 4.5.5 Air-Conditioning Equipment Product Alternatives and Substitutes Intelligence
 - 4.5.6 Air-Conditioning Equipment Market Entry Intelligence

5. GLOBAL AIR-CONDITIONING EQUIPMENT MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Air-Conditioning Equipment Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Air-Conditioning Equipment Sales Outlook and CAGR Growth By Product Type, 2024- 2034 (\$ billion)

5.2 Global Air-Conditioning Equipment Sales Outlook and CAGR Growth By Components, 2024- 2034 (\$ billion)

5.3 Global Air-Conditioning Equipment Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.4 Global Air-Conditioning Equipment Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC AIR-CONDITIONING EQUIPMENT INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Air-Conditioning Equipment Market Insights, 2025

6.2 Asia Pacific Air-Conditioning Equipment Market Revenue Forecast By Product Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Air-Conditioning Equipment Market Revenue Forecast By Components, 2024- 2034 (USD billion)

6.4 Asia Pacific Air-Conditioning Equipment Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.5 Asia Pacific Air-Conditioning Equipment Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.5.1 China Air-Conditioning Equipment Market Size, Opportunities, Growth 2024-2034

6.5.2 India Air-Conditioning Equipment Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan Air-Conditioning Equipment Market Size, Opportunities, Growth 2024-2034

6.5.4 Australia Air-Conditioning Equipment Market Size, Opportunities, Growth 2024-2034

7. EUROPE AIR-CONDITIONING EQUIPMENT MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Air-Conditioning Equipment Market Key Findings, 2025

7.2 Europe Air-Conditioning Equipment Market Size and Percentage Breakdown By Product Type, 2024- 2034 (USD billion)

7.3 Europe Air-Conditioning Equipment Market Size and Percentage Breakdown By Components, 2024- 2034 (USD billion)

7.4 Europe Air-Conditioning Equipment Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.5 Europe Air-Conditioning Equipment Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Air-Conditioning Equipment Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Air-Conditioning Equipment Market Size, Trends, Growth Outlook to 2034

7.5.2 France Air-Conditioning Equipment Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Air-Conditioning Equipment Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Air-Conditioning Equipment Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA AIR-CONDITIONING EQUIPMENT MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Air-Conditioning Equipment Market Analysis and Outlook By Product Type, 2024- 2034 (\$ billion)

8.3 North America Air-Conditioning Equipment Market Analysis and Outlook By Components, 2024- 2034 (\$ billion)

8.4 North America Air-Conditioning Equipment Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.5 North America Air-Conditioning Equipment Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Air-Conditioning Equipment Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Air-Conditioning Equipment Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Air-Conditioning Equipment Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA AIR-CONDITIONING EQUIPMENT MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Air-Conditioning Equipment Market Data, 2025

9.2 Latin America Air-Conditioning Equipment Market Future By Product Type, 2024-2034 (\$ billion)

9.3 Latin America Air-Conditioning Equipment Market Future By Components, 2024-2034 (\$ billion)

9.4 Latin America Air-Conditioning Equipment Market Future By Application, 2024- 2034 (\$ billion)

9.5 Latin America Air-Conditioning Equipment Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Air-Conditioning Equipment Market Size, Share and Opportunities to 2034

9.5.2 Argentina Air-Conditioning Equipment Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA AIR-CONDITIONING EQUIPMENT MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Air-Conditioning Equipment Market Statistics By Product Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Air-Conditioning Equipment Market Statistics By Components, 2024- 2034 (USD billion)

10.4 Middle East Africa Air-Conditioning Equipment Market Statistics By Application, 2024- 2034 (USD billion)

10.5 Middle East Africa Air-Conditioning Equipment Market Statistics by Country, 2024-2034 (USD billion)

10.5.1 Middle East Air-Conditioning Equipment Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Air-Conditioning Equipment Market Value, Trends, Growth Forecasts to 2034

11. AIR-CONDITIONING EQUIPMENT MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Air-Conditioning Equipment Industry

11.2 Air-Conditioning Equipment Business Overview

11.3 Air-Conditioning Equipment Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

- 12.1 Global Air-Conditioning Equipment Market Volume (Tons)
- 12.1 Global Air-Conditioning Equipment Trade and Price Analysis
- 12.2 Air-Conditioning Equipment Parent Market and Other Relevant Analysis
- 12.3 Publisher Expertise
- 12.2 Air-Conditioning Equipment Industry Report Sources and Methodology

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