

# HVAC Market - Global Outlook & Forecast 2023-2028

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## **Report description:**

The global HVAC market size is expected to grow at a CAGR of 5.43% from 2022-2028.

The global market is undergoing tremendous modifications due to the increasing integration of the Internet of Things (IoT) technology with HVAC products, making them innovative and accessible. The emphasis on connecting several sensors within building ecosystems, including HVAC, has grown for achieving energy efficiency.

In 2022, the major economies in APAC, including China, Japan, and India, witnessed increasing commercial construction activities due to an expanding number of companies in various sectors setting up their offices in distinct regions to capture the target and potential customer base. In the APAC region, the increasing demand for energy-efficient HVAC systems and stringent regulations for the use of explosion-proof HVAC equipment is boosting the adoption across industries. It will offer enormous growth opportunities in the HVAC market. Further, Middle East countries are witnessing drastic climate changes. Rising temperatures and heat waves increased the demand for HVAC systems in commercial and residential buildings to control indoor climate conditions, further propelling the HVAC market growth. Along with providing residents with comfort, filtering can also improve indoor air quality. Hence these factors propel sales growth across the Middle East & Africa region during the forecast period.

MARKET TRENDS & DRIVERS

Replacement of Existing Equipment with Energy Efficient Products

In 2020, the commercial sector experienced the steepest decline due to the hard-hit hotel & motel industry and sports & convention centers. The commercial sector has witnessed constant growth since 2021, with the recovering economy. Energy-efficient HVAC technologies for residential and commercial buildings have the potential to provide environmental and economic benefits. They are optimizing energy-efficient HVAC technologies, and proper installation planning help to reach energy-saving potential by up to 40%. Therefore, replacing existing equipment with energy-efficient HVAC technologies will boost the growth rate of the HVAC market in the future.

### Rising Construction Industry

In the long run, the construction industry globally is expected to experience steady growth due to low-interest rates in a few European countries and stable economic growth. The construction of hotels, amusement parks, private & government offices, and sports & convention centers is growing, thereby supporting the HVAC market in the construction sector. The global HVAC market is highly dependent on the construction industry for revenue through new installations, whether residential or commercial. The refurbishment of buildings provides massive revenue to the HVAC industry. The industry witnessed an increased inflow of public and private investments, mainly in countries, such as Spain, Cyprus, Italy, and the Netherlands. In 2022, The Construction Intelligence Center (CIC) revised the growth forecast for the European construction industry. This was because of the improved performance of some significant developed city markets and a brighter outlook for the European economy.

## SEGMENTATION ANALYSIS

## INSIGHTS BY EQUIPMENT TYPE

HVAC commonly refers to heating, ventilation, cooling, collective heating, and cooling technologies used at commercial, residential, industrial, and public utility buildings. The heating equipment segment in the global HVAC market was valued at USD 91.06 billion in 2022 and is expected to reach USD 123.85 billion by 2028. The heating equipment industry is characterized by intense competition. The heating equipment is generally fragmented. Hence, the industry is characterized by many local/domestic vendors.

The air conditioning industry is characterized by the presence of many domestic and multinational vendors, and the industry is seasonal and characterized by modern technology. Air-conditioners are in the fastest-growing segment and have a vast addressable industry in developed and developing economies. APAC, Europe, and North America are expected to witness rapid growth in Air-conditioners by value because of higher construction activity and the demand for renovation activities.

Segmentation by Equipment

Heating o∏Heat Pump o
Boiler Units o∏Furnaces o⊓Others - Air Conditioning o∏RAC o∏CAC o Chillers o

Heat Exchangers o∏Others - Ventilation o
 Air Handling Units o∏Air filters o
||Humidifiers & Dehumidifiers o
||Fan Coil Units o[]Others

#### **INSIGHTS BY END-USER**

The global residential sector HVAC market was valued at USD 135.63 billion in 2022 and is growing at a CAGR of 4.99% during the forecast period. The demand from the residential sector grew by over 5.63% due to an increase in the refurbishment of houses and stable residential new construction activities. The shift in housing preferences to large homes and the low-interest rates resulted in the increased demand for home improvements and new constructions. Many construction projects in the US provide the highest revenue to HVAC systems, and the demand is expected to increase during the forecast period. In Europe, climatic variations led to high demand for all product categories of HVAC in 2022. The demand for HVAC equipment in the Nordics varies drastically from mainland Europe. Construction activities in the region are highly concentrated in Western Europe, with a high demand for replacement.

### Segmentation by End-user

- [Residential - [Commercial o [Office Spaces o [Airport & Public Utilities o [Hospitality o [Hospitals o [Industrial & Others

## GEOGRAPHICAL ANALYSIS

- The APAC region holds the most extensive global HVAC market share. It is expected to witness a CAGR of 6.44% during the forecast period, buoyed by spiking demand from the residential sector, commercial offices, and buildings. The major economies in APAC, including China, Japan, and India, are witnessing increasing commercial construction activities due to an expanding number of companies in various sectors setting up their offices in distinct regions to capture the target and potential customer base. In 2022, China accounted for the largest revenue share of 43.73% of the APAC HVAC system market. It is estimated to witness an incremental growth of USD 21.81 billion during the forecast period. The China market is witnessing a spurt in multiple real estate projects and public-private investments in various residential, industrial, and commercial development zones because of the boom in urbanization.

- The Europe HVAC Market was valued at USD 61.2 billion in 2022 and is expected to reach USD 86.49 billion by 2028, registering a CAGR of 5.92 % during the forecast period. This growth is mainly driven by Western European, the two largest economies. France and Germany account for one-third of the market and experienced annual growth rates of 4.72% & 5.93%, respectively, in the forecast period. Major factors spiking the sales rate for HVAC equipment in Europe are rising average construction spending, increasing retail building construction projects, rising government spending on sustainable building development, industrial developments, rapid urbanization, changing climatic conditions, and growth in disposable income across European countries.

## Segmentation by Geography

-[APAC o[China o[India o[Japan o[Australia -[North America o[US

o[]Canada -[Europe o[]Western Europe -[]Germany -[]France -∏UK - Italy 
Netherlands o[]Nordic - Norway Denmark Sweden o
Central & Eastern Europe -[Russia - Poland & Austria - Other CEE Countries o
Latin America -[]Brazil Mexico -[]Argentina o[Middle East & Africa -∏Saudi Arabia -[]UAE - South Africa

## COMPETITIVE LANDSCAPE

Systemair, Johnson Controls, Zehnder, Ostberg, and Aldes are some of the key players in the global HVAC market. Other players operating in the global HVAC market include LG, Panasonic, Carrier, Regal, and others. The prominent vendors focus on developing advanced HVAC and investing in R&D initiatives to enlarge their product line and gain a competitive advantage in the market.

Other attractive prospects in the form of IoT are expected to change the industry's working as they connect all components and create an environment where the device operation can be managed efficiently using smart management solutions. Moreover, because of a highly competitive industry, R&D investments in the HVAC market are limited and have substantial investments, mainly from large vendors. Moreover, the short time-to-market and narrow acceptance of new technologies add to market challenges for HVAC vendors. R&D investments are more focused on cost reduction of the production process and improvement of the existing product technology for value addition than developing new products. As a result, a lot of mergers & acquisitions are taking place to develop and enhance the offerings and attributes to survive in the global HVAC market.

### Key Company Profiles

-[]Systemair -[]ohnson Controls -[]Zehnder -[]Ostberg

-[]Aldes

- -[]Bosch
- -[]Daikin
- -[]Samsung
- Mitsubishi Electric

# Other Prominent Vendors

-[]LG

-[]Panasonic -[]Carrier - Midea - Regal - Raytheon Technologies -[]Honeywell -[]Flakt Group - Beijer Ref -[]Flexit -[]Grundfos -[]Swegon -[]VTS -[]Nuaire - Nortek - Alfa Laval -[]Hitachi -[]Lu-Ve -[]Vent-Axia -[Rosenberg -[]S & P - WOLF -[]CIAT -[]AL-KO -[]DynAIR -[]Danfoss -[]Lennox - Backer Springfield -[]Dunham-Bush -[]TCL -[]TROX - Vaillant Group - Ingersoll Rand -[]Camfil

# KEY QUESTIONS ANSWERED:

1. How big is the HVAC market?2. What is the growth rate of the global HVAC market?

3. What are the significant trends in the global HVAC market?
4. Who are the key players in the global HVAC market?
5. Which region holds the most prominent global HVAC market share?
6. What is the market size of the global Residential HVAC market?

# **Table of Contents:**

1 RESEARCH METHODOLOGY 2 RESEARCH OBJECTIVES 3 RESEARCH PROCESS

4 SCOPE & COVERAGE
4.1 MARKET DEFINITION
4.1.1 INCLUSIONS
4.1.2 EXCLUSIONS
4.1.3 MARKET ESTIMATION CAVEATS
4.2 BASE YEAR
4.3 SCOPE OF STUDY
4.4 MARKET SEGMENTATION
4.4.1 MARKET SEGMENTATION BY EQUIPMENT
4.4.2 MARKET SEGMENTATION BY HEATING EQUIPMENT
4.4.3 MARKET SEGMENTATION BY AIR CONDITIONING EQUIPMENT
4.4.4 MARKET SEGMENTATION BY VENTILATION EQUIPMENT
4.4.5 MARKET SEGMENTATION BY END USER
4.4.6 MARKET SEGMENTATION BY GEOGRAPHY

5 REPORT ASSUMPTIONS & CAVEATS 5.1 KEY CAVEATS 5.2 CURRENCY CONVERSION 5.3 MARKET DERIVATION

**6 PREMIUM INSIGHTS** 7 MARKET AT A GLANCE **8 INTRODUCTION** 8.1 OVERVIEW 8.1.1 ADVANTAGES OF SMART HVAC SYSTEMS 8.1.2 DISADVANTAGES OF SMART HVAC SYSTEMS 8.1.3 INITIATIVES FOR BETTER RISK MANAGEMENT **8.1.4 MEASURES TO IMPROVE PROFIT MARGINS** 8.1.5 CHALLENGES ASSOCIATED WITH HVAC SYSTEMS FOR RESIDENTIAL AND COMMERICAL USE 8.1.6 RECENT MERGERS & ACQUISITIONS AND PRODUCT DEVELOPMENT INITIATIVES 8.1.7 DEVELOPMENT OF ENVIRONMENT-FRIENDLY HVAC EQUIPMENT 8.1.8 IMPACT OF RESIDENTIAL CONSTRUCTION PROJECTS 8.1.9 IMPACT OF NON-RESIDENTIAL CONSTRUCTION PROJECTS 8.1.10 CHALLENGES ASSOCIATED WITH HVAC EQUIPMENT FOR RESIDENTIAL AND COMMERICAL USE 8.2 REPOWEREU PLAN 8.3 BENEFITS OF IRA FOR HEATING EQUIPMENT

8.4 VALUE CHAIN

8.4.1 RAW MATERIAL SUPPLIERS & COMPONENTS8.4.2 MANUFACTURERS8.4.3 DEALERS /DISTRIBUTORS8.4.4 RETAILERS8.4.5 END USERS8.5 IMPACT OF COVID-19

9 MARKET OPPORTUNITY & TRENDS
9.1 REPLACEMENT OF EXISTING HVAC EQUIPMENT WITH ENERGY-EFFICIENT PRODUCTS
9.2 EMERGENCE OF IOT AND PRODUCT INNOVATIONS TO AID REPLACEMENTS
9.3 ADVERSE CLIMATIC CONDITIONS & HIGH DEMAND FOR HVAC SYSTEMS

10 MARKET GROWTH ENABLERS10.1 GROWTH OF GLOBAL CONSTRUCTION INDUSTRY10.2 SURGE IN AIRPORT MODERNIZATION PROJECTS WORLDWIDE10.3 RISE IN DEMAND FOR VRF SYSTEMS

11 MARKET RESTRAINTS 11.1 LOW AVAILABILITY OF SKILLED LABOR 11.2 STRINGENT REGULATORY ENVIRONMENTS WORLDWIDE 11.3 IMPLICATIONS OF COVID-19 OUTBREAK

12 MARKET LANDSCAPE 12.1 MARKET OVERVIEW 12.1.1 HIGHLIGHTS 12.2 MARKET SIZE & FORECAST 12.2.1 VALUE 12.3 FIVE FORCES ANALYSIS 12.3.1 THREAT OF NEW ENTRANTS 12.3.2 BARGAINING POWER OF SUPPLIERS 12.3.3 BARGAINING POWER OF BUYERS 12.3.4 THREAT OF SUBSTITUTES 12.3.5 COMPETITIVE RIVALRY 13 EQUIPMENT

13.1 MARKET SNAPSHOT & GROWTH ENGINE
13.2 MARKET OVERVIEW
13.2.1 KEY INSIGHTS
13.3 HEATING
13.3.1 MARKET OVERVIEW
13.3.2 MARKET SIZE & FORECAST
13.3.3 MARKET BY GEOGRAPHY
13.4 HEAT PUMPS: MARKET SIZE & FORECAST
13.5 BOILER UNITS: MARKET SIZE & FORECAST
13.6 FURNACES: MARKET SIZE & FORECAST
13.7 OTHER HEATING EQUIPMENT: MARKET SIZE & FORECAST
13.4 AIR CONDITIONING

13.4.1 MARKET OVERVIEW **13.4.2 KEY TAKEAWAYS** 13.4.3 MARKET BY GEOGRAPHY 13.4.4 RAC: MARKET SIZE & FORECAST 13.4.5 CAC: MARKET SIZE & FORECAST 13.4.6 CHILLERS: MARKET SIZE & FORECAST 13.4.7 HEAT EXCHANGER: MARKET SIZE & FORECAST (INCLUDES COOLING TOWERS) 13.4.8 OTHER AIR CONDITIONING EQUIPMENT: MARKET SIZE & FORECAST **13.5 VENTILATION** 13.5.1 MARKET OVERVIEW 13.5.2 MARKET SIZE & FORECAST 13.5.3 MARKET BY GEOGRAPHY 13.5.4 AIR HANDLING UNITS: MARKET SIZE & FORECAST 13.5.5 AIR FILTERS: MARKET SIZE & FORECAST 13.5.6 HUMIDIFIERS & DEHUMIDIFIERS: MARKET SIZE & FORECAST 13.5.7 FAN COIL UNITS: MARKET SIZE & FORECAST 13.5.8 OTHER VENTILATION EQUIPMENT: MARKET SIZE & FORECAST 14 END USER 14.1 MARKET SNAPSHOT & GROWTH ENGINE (VALUE) **14.2 MARKET OVERVIEW 14.3 RESIDENTIAL** 14.3.1 MARKET OVERVIEW 14.3.2 MARKET SIZE & FORECAST 14.3.3 MARKET BY GEOGRAPHY 14.4 COMMERCIAL 14.4.1 MARKET OVERVIEW 14.4.2 MARKET SIZE & FORECAST 14.4.3 MARKET BY GEOGRAPHY

- 14.4.4 OFFICE SPACES: MARKET SIZE & FORECAST
- 14.4.5 AIRPORTS & PUBLIC UTILITIES: MARKET SIZE & FORECAST
- 14.4.6 HOSPITALITY: MARKET SIZE & FORECAST
- 14.4.7 HOSPITALS: MARKET SIZE & FORECAST
- 14.4.8 INDUSTRIAL AND OTHERS: MARKET SIZE & FORECAST

15 GEOGRAPHY 15.1 MARKET SNAPSHOT & GROWTH ENGINE (VALUE) 15.2 GEOGRAPHY OVERVIEW

16 APAC 16.1 MARKET OVERVIEW 16.1.1 GROWTH FACTORS: 16.2 MARKET SIZE & FORECAST 16.3 EQUIPMENT 16.3.1 MARKET SIZE & FORECAST 16.4 HEATING 16.4.1 MARKET SIZE & FORECAST

**16.5 AIR CONDITIONING** 16.5.1 MARKET SIZE & FORECAST **16.6 VENTILATION** 16.6.1 MARKET SIZE & FORECAST 16.7 END USER 16.7.1 MARKET SIZE & FORECAST **16.8 COMMERCIAL APPLICATION** 16.8.1 MARKET SIZE & FORECAST **16.9 KEY COUNTRIES** 16.9.1 CHINA: MARKET SIZE & FORECAST 16.9.2 JAPAN: MARKET SIZE & FORECAST 16.9.3 INDIA: MARKET SIZE & FORECAST 16.9.4 AUSTRALIA: MARKET SIZE & FORECAST 17 EUROPE **17.1 MARKET OVERVIEW 17.2 EOUIPMENT 17.2.1 MARKET SIZE & FORECAST** 17.3 HEATING **17.3.1 MARKET SIZE & FORECAST 17.4 AIR CONDITIONING** 17.4.1 MARKET SIZE & FORECAST **17.5 VENTILATION** 17.5.1 MARKET SIZE & FORECAST 17.6 END USER 17.6.1 MARKET SIZE & FORECAST **17.7 COMMERCIAL APPLICATION** 17.7.1 MARKET SIZE & FORECAST **18 WESTERN EUROPE 18.1 MARKET OVERVIEW 18.2 MARKET SIZE & FORECAST 18.3 EOUIPMENT 18.3.1 MARKET SIZE & FORECAST** 18.4 END USER 18.4.1 MARKET SIZE & FORECAST **18.5 KEY COUNTRIES** 18.5.1 GERMANY: MARKET SIZE & FORECAST 18.5.2 FRANCE: MARKET SIZE & FORECAST 18.5.3 UK: MARKET SIZE & FORECAST 18.5.4 ITALY: MARKET SIZE & FORECAST 18.5.5 NETHERLANDS: MARKET SIZE & FORECAST

19 NORDIC 19.1 MARKET OVERVIEW 19.2 MARKET SIZE & FORECAST 19.3 EQUIPMENT

**19.3.1 MARKET SIZE & FORECAST** 19.4 END USER **19.4.1 MARKET SIZE & FORECAST 19.5 KEY COUNTRIES** 19.5.1 NORWAY: MARKET SIZE & FORECAST 19.5.2 DENMARK: MARKET SIZE & FORECAST 19.5.3 SWEDEN: MARKET SIZE & FORECAST 19.5.4 OTHER NORDIC COUNTRIES: MARKET SIZE & FORECAST 20 CENTRAL & EASTERN EUROPE (CEE) 20.1 MARKET OVERVIEW 20.2 MARKET SIZE & FORECAST 20.3 EQUIPMENT 20.3.1 MARKET SIZE & FORECAST 20.4 END USER 20.4.1 MARKET SIZE & FORECAST 20.5 KEY COUNTRIES 20.5.1 RUSSIA: MARKET SIZE & FORECAST 20.5.2 POLAND & AUSTRIA: MARKET SIZE & FORECAST 20.5.3 OTHER CEE COUNTRIES: MARKET SIZE & FORECAST **21 NORTH AMERICA** 21.1 MARKET OVERVIEW 21.2 MARKET SIZE & FORECAST 21.3 EQUIPMENT 21.3.1 MARKET SIZE & FORECAST 21.4 HEATING 21.4.1 MARKET SIZE & FORECAST **21.5 AIR CONDITIONING** 21.5.1 MARKET SIZE & FORECAST 21.6 VENTILATION 21.6.1 MARKET SIZE & FORECAST 21.7 END USER 21.7.1 MARKET SIZE & FORECAST 21.8 COMMERCIAL APPLICATION 21.8.1 MARKET SIZE & FORECAST **21.9 KEY COUNTRIES** 21.10 MARKET SNAPSHOT & GROWTH ENGINE (VALUE) 21.10.1 US: MARKET SIZE & FORECAST 21.10.2 CANADA: MARKET SIZE & FORECAST 22 LATIN AMERICA

22.1 MARKET OVERVIEW 22.2 MARKET SIZE & FORECAST 22.3 EQUIPMENT 22.3.1 MARKET SIZE & FORECAST 22.4 HEATING

22.4.1 MARKET SIZE & FORECAST 22.5 AIR CONDITIONING 22.5.1 MARKET SIZE & FORECAST 22.6 VENTILATION 22.6.1 MARKET SIZE & FORECAST 22.7 END USER 22.7.1 MARKET SIZE & FORECAST 22.8 COMMERCIAL APPLICATION 22.8.1 MARKET SIZE & FORECAST 22.9 KEY COUNTRIES 22.10 MARKET SNAPSHOT & GROWTH ENGINE (VALUE) 22.10.1 BRAZIL: MARKET SIZE & FORECAST 22.10.2 MEXICO: MARKET SIZE & FORECAST 22.10.3 ARGENTINA: MARKET SIZE & FORECAST 23 MIDDLE EAST & AFRICA 23.1 MARKET OVERVIEW 23.2 MARKET SIZE & FORECAST 23.3 EQUIPMENT 23.3.1 MARKET SIZE & FORECAST 23.4 HEATING 23.4.1 MARKET SIZE & FORECAST 23.5 AIR CONDITIONING 23.5.1 MARKET SIZE & FORECAST 23.6 VENTILATION 23.6.1 MARKET SIZE & FORECAST 23.7 END USER 23.7.1 MARKET SIZE & FORECAST 23.8 COMMERCIAL APPLICATION 23.8.1 MARKET SIZE & FORECAST 23.9 KEY COUNTRIES 23.10 MARKET SNAPSHOT & GROWTH ENGINE (VALUE) 23.10.1 SAUDI ARABIA: MARKET SIZE & FORECAST 23.10.2 UAE: MARKET SIZE & FORECAST 23.10.3 SOUTH AFRICA: MARKET SIZE & FORECAST 24 COMPETITIVE LANDSCAPE

24.1 COMPETITIVE LANDSCAPE

25 KEY COMPANY PROFILES 25.1 SYSTEMAIR 25.1.1 BUSINESS OVERVIEW 25.1.2 PRODUCT OFFERINGS 25.1.3 KEY STRATEGIES 25.1.4 KEY STRENGTHS 25.1.5 KEY OPPORTUNITIES 25.2 JOHNSON CONTROLS

25.2.1 BUSINESS OVERVIEW 25.2.2 PRODUCT OFFERINGS **25.2.3 KEY STRATEGIES** 25.2.4 KEY STRENGTHS 25.2.5 KEY OPPORTUNITIES 25.3 ZEHNDER 25.3.1 BUSINESS OVERVIEW 25.3.2 PRODUCT OFFERINGS 25.3.3 KEY STRATEGIES 25.3.4 KEY STRENGTHS 25.3.5 KEY OPPORTUNITIES 25.4 OSTBERG 25.4.1 BUSINESS OVERVIEW 25.4.2 PRODUCT OFFERINGS 25.4.3 KEY STRATEGIES 25.4.4 KEY STRENGTHS 25.4.5 KEY OPPORTUNITIES 25.5 ALDES 25.5.1 BUSINESS OVERVIEW 25.5.2 PRODUCT OFFERINGS 25.5.3 KEY STRATEGIES 25.5.4 KEY STRENGTHS 25.5.5 KEY OPPORTUNITIES 25.6 BOSCH 25.6.1 BUSINESS OVERVIEW 25.6.2 PRODUCT OFFERINGS 25.6.3 KEY STRATEGIES 25.6.4 KEY STRENGTHS 25.6.5 KEY OPPORTUNITIES **25.7 DAIKIN** 25.7.1 BUSINESS OVERVIEW 25.7.2 PRODUCT OFFERINGS **25.7.3 KEY STRATEGIES** 25.7.4 KEY STRENGTHS 25.7.5 KEY OPPORTUNITIES 25.8 SAMSUNG 25.8.1 BUSINESS OVERVIEW 25.8.2 PRODUCT OFFERINGS **25.8.3 KEY STRATEGIES** 25.8.4 KEY STRENGTHS 25.8.5 KEY OPPORTUNITIES 25.9 MITSUBISHI ELECTRIC 25.9.1 BUSINESS OVERVIEW 25.9.2 PRODUCT OFFERINGS 25.9.3 KEY STRATEGIES 25.9.4 KEY STRENGTHS 25.9.5 KEY OPPORTUNITIES

**26 OTHER PROMINENT VENDORS** 26.1 LG 26.1.1 BUSINESS OVERVIEW 26.1.2 PRODUCT OFFERINGS 26.2 PANASONIC 26.2.1 BUSINESS OVERVIEW 26.2.2 PRODUCT OFFERINGS 26.3 CARRIER 26.3.1 BUSINESS OVERVIEW 26.3.2 PRODUCT OFFERINGS 26.4 MIDEA 26.4.1 BUSINESS OVERVIEW 26.4.2 PRODUCT OFFERINGS 26.5 REGAL REXNORD CORPORATION 26.5.1 BUSINESS OVERVIEW 26.5.2 PRODUCT OFFERINGS 26.6 RAYTHEON TECHNOLOGIES CORPORATION 26.6.1 BUSINESS OVERVIEW 26.6.2 PRODUCT OFFERINGS 26.7 HONEYWELL 26.7.1 BUSINESS OVERVIEW 26.7.2 PRODUCT OFFERINGS 26.8 FLAKT GROUP 26.8.1 BUSINESS OVERVIEW 26.8.2 PRODUCT OFFERINGS 26.9 BEIJER REF 26.9.1 BUSINESS OVERVIEW 26.9.2 PRODUCT OFFERINGS 26.10 FLEXIT 26.10.1 BUSINESS OVERVIEW 26.10.2 PRODUCT OFFERINGS 26.11 GRUNDFOS 26.11.1 BUSINESS OVERVIEW 26.11.2 PRODUCT OFFERINGS 26.12 SWEGON 26.12.1 BUSINESS OVERVIEW 26.12.2 PRODUCT OFFERINGS 26.13 VTS 26.13.1 BUSINESS OVERVIEW 26.13.2 PRODUCT OFFERINGS 26.14 NUAIRE 26.14.1 BUSINESS OVERVIEW 26.14.2 PRODUCT OFFERINGS **26.15 NORTEK** 26.15.1 BUSINESS OVERVIEW 26.15.2 PRODUCT OFFERINGS

26.16 ALFA LAVAL 26.16.1 BUSINESS OVERVIEW 26.16.2 PRODUCT OFFERINGS 26.17 HITACHI 26.17.1 BUSINESS OVERVIEW 26.17.2 PRODUCT OFFERINGS 26.18 LU-VE 26.18.1 BUSINESS OVERVIEW 26.18.2 PRODUCT OFFERINGS 26.19 VENT-AXIA 26.19.1 BUSINESS OVERVIEW 26.19.2 PRODUCT OFFERINGS 26.20 ROSENBERG 26.20.1 BUSINESS OVERVIEW 26.20.2 PRODUCT OFFERINGS 26.21 S & P 26.21.1 BUSINESS OVERVIEW 26.21.2 PRODUCT OFFERINGS 26.22 WOLF 26.22.1 BUSINESS OVERVIEW 26.22.2 PRODUCT OFFERINGS 26.23 CIAT 26.23.1 BUSINESS OVERVIEW 26.23.2 PRODUCT OFFERINGS 26.24 AL-KO 26.24.1 BUSINESS OVERVIEW 26.24.2 PRODUCT OFFERINGS 26.25 DYNAIR 26.25.1 BUSINESS OVERVIEW 26.25.2 PRODUCT OFFERINGS 26.26 DANFOSS 26.26.1 BUSINESS OVERVIEW 26.26.2 PRODUCT OFFERINGS 26.27 LENNOX 26.27.1 BUSINESS OVERVIEW 26.27.2 PRODUCT OFFERINGS 26.28 BACKER SPRINGFIELD 26.28.1 BUSINESS OVERVIEW 26.28.2 PRODUCT OFFERINGS 26.29 DUNHAM BUSH 26.29.1 BUSINESS OVERVIEW 26.29.2 PRODUCT OFFERINGS 26.30 TCL 26.30.1 BUSINESS OVERVIEW 26.30.2 PRODUCT OFFERINGS 26.31 TROX 26.31.1 BUSINESS OVERVIEW

26.31.2 PRODUCT OFFERINGS 26.32 VAILLANT GROUP 26.32.1 BUSINESS OVERVIEW 26.32.2 PRODUCT OFFERINGS 26.33 INGERSOLL RAND 26.33.1 BUSINESS OVERVIEW 26.33.2 PRODUCT OFFERINGS 26.34 CAMFIL 26.34.1 BUSINESS OVERVIEW 26.34.2 PRODUCT OFFERINGS

27 REPORT SUMMARY 27.1 KEY TAKEAWAYS 27.2 STRATEGIC RECOMMENDATIONS

28 QUANTITATIVE SUMMARY 28.1 MARKET BY GEOGRAPHY 28.1.1 MARKET SIZE & FORECAST 28.2 MARKET BY EQUIPMENT 28.2.1 MARKET SIZE & FORECAST 28.3 MARKET BY AIR CONDITIONING EQUIPMENT 28.3.1 MARKET SIZE & FORECAST 28.4 MARKET BY HEATING EQUIPMENT 28.4.1 MARKET SIZE & FORECAST 28.5 MARKET BY VENTILATION EQUIPMENT 28.5.1 MARKET SIZE & FORECAST 28.6 MARKET BY END USER 28.6.1 MARKET SIZE & FORECAST 28.7 MARKET BY COMMERCIAL APPLICATION 28.7.1 MARKET SIZE & FORECAST

29 APPENDIX 29.1 ABBREVIATIONS



# HVAC Market - Global Outlook & Forecast 2023-2028

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