

# **Automotive HVAC System Market by Technology (Automatic and Manual), Vehicle Type (Passenger Car, Commercial Vehicle, and Electric Vehicle), and Component (Evaporator, Compressor, Condenser, Receiver-drier, Expansion Valve and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027**

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## **Abstracts**

HVAC system is a basic equipment needed to control and maintain the internal temperature of the vehicle cabin. It comprises components such as compressor, condenser, expansion valve, and orifice tube. It helps in demisting, defrosting of windows, and eliminating dampness within the vehicle. The automotive HVAC system market is segmented on the basis of technology, vehicle type, component and region.

It includes three subsystems, namely, heating, cooling, and air conditioning, that work together to provide purified air to the vehicle cabin, ensuring thermal comfort to drivers and passengers. It controls the air temperature, inspects the moisture content in the air, and eliminates excessive humidity from the circulating air. Well-established companies, such as Audi, Mercedes, and BMW, focus on customized and consumer-friendly HVAC systems. For instance, the BMW 6 Series supports automatic air conditioning, including air distribution for driver and passengers, fogging sensor, and automatic climate control system.

At present, Asia-Pacific dominates the market, followed by Europe, North America, and LAMEA. China dominated the global automotive HVAC system market in 2019, whereas India is expected to grow at a significant rate in Asia Pacific during the forecast period.

The global automotive HVAC system market is segmented based on technology, vehicle type, components and region. Automatic HVAC and manual HVAC are studied under the technology segment. Passenger car, commercial vehicles and electric vehicles are categorized under vehicle type. And evaporators, compressor, condenser, receiver-drier, expansion valve, and others are studied under the component type segment. Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Comprehensive competitive analysis and profiles of major market players such as Denso Corporation, Valeo services, Hanon Systems (HVCC), Calsonic Kansei Corporation, Sanden Holdings Corporation, Mahle GmbH, Johnson Electric, Sensata Technologies, Inc, Keihin corporation and Air International Thermal Systems are also provided in this report.

## KEY BENEFITS FOR STAKEHOLDERS

This study presents the analytical depiction of the automotive HVAC system market along with the current trends and future estimations to depict the imminent investment pockets.

The overall market potential is determined to understand the profitable trends to enable stakeholders gain a stronger foothold in the market.

The report presents information related to key drivers, restraints, and opportunities with detailed impact analysis.

The current market is quantitatively analyzed from 2019 to 2027 to highlight the financial competency of the market.

Porter's five forces analysis illustrates the potency of the buyers and suppliers.

## KEY MARKET SEGMENTS

By Technology

Automatic

## Manual

### By Vehicle Type

Passenger Car

Commercial Vehicle

Electric Vehicle

### By Component

Evaporator

Compressor

Condenser

Receiver-drier

Expansion Valve

Others

### By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

Spain

France

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
  - 3.2.3. Top winning strategies
- 3.3. Porter's five forces analysis
- 3.4. Market share analysis (2019)
- 3.5. Market dynamics
  - 3.5.1. Drivers
    - 3.5.1.1. Increasing demand for thermal system and automatic climate control features in automobile
    - 3.5.1.2. Rise in safety & comfort due to adoption of HVAC systems
    - 3.5.1.3. Increase in vehicle production
  - 3.5.2. Restraint
    - 3.5.2.1. High maintenance cost
  - 3.5.3. Opportunities
    - 3.5.3.1. Adoption of eco-friendly refrigerants
    - 3.5.3.2. Production of cheaper HVAC systems

### CHAPTER 4: AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY

#### 4.1. Overview

#### 4.2. Automatic

4.2.1. Key market trends, growth factors and opportunities

4.2.2. Market size and forecast, by region

4.2.3. Market analysis by country

#### 4.3. Manual

4.3.1. Key market trends, growth factors, and opportunities

4.3.2. Market size and forecast, by region

4.3.3. Market analysis by country

### **CHAPTER 5: AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE**

#### 5.1. Overview

#### 5.2. Passenger car

5.2.1. Key market trends, growth factors and opportunities

5.2.2. Market size and forecast, by region

5.2.3. Market analysis by country

#### 5.3. Commercial vehicle

5.3.1. Key market trends, growth factors, and opportunities

5.3.2. Market size and forecast, by region

5.3.3. Market analysis by country

#### 5.4. ELECTRIC VEHICLE

5.4.1. Key market trends, growth factors, and opportunities

5.4.2. Market size and forecast, by region

5.4.3. Market analysis by country

### **CHAPTER 6: AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT**

#### 6.1. Overview

#### 6.2. EVAPORATOR

6.2.1. Key market trends, growth factors and opportunities

6.2.2. Market size and forecast, by region

6.2.3. Market analysis by country

#### 6.3. Compressor

6.3.1. Key market trends, growth factors, and opportunities

6.3.2. Market size and forecast, by region

6.3.3. Market analysis by country

#### 6.4. Condenser

6.4.1. Key market trends, growth factors, and opportunities

- 6.4.2. Market size and forecast, by region
- 6.4.3. Market analysis by country
- 6.5. Receiver-drier
  - 6.5.1. Key market trends, growth factors, and opportunities
  - 6.5.2. Market size and forecast, by region
  - 6.5.3. Market analysis by country
- 6.6. Expansion Valve
  - 6.6.1. Key market trends, growth factors, and opportunities
  - 6.6.2. Market size and forecast, by region
  - 6.6.3. Market analysis by country
- 6.7. Others
  - 6.7.1. Key market trends, growth factors, and opportunities
  - 6.7.2. Market size and forecast, by region
  - 6.7.3. Market analysis by country

## **CHAPTER 7: AUTOMOTIVE HVAC SYSTEM MARKET, BY REGION**

- 7.1. Overview
- 7.2. North America
  - 7.2.1. Key market trends, growth factors, and opportunities
  - 7.2.2. Market size and forecast, by technology
  - 7.2.3. Market size and forecast, by vehicle type
  - 7.2.4. Market size and forecast, by component
  - 7.2.5. Market analysis by country
    - 7.2.5.1. U.S.
      - 7.2.5.1.1. Market size and forecast, by technology
      - 7.2.5.1.2. Market size and forecast, by vehicle type
      - 7.2.5.1.3. Market size and forecast, by component
    - 7.2.5.2. Canada
      - 7.2.5.2.1. Market size and forecast, by technology
      - 7.2.5.2.2. Market size and forecast, by vehicle type
      - 7.2.5.2.3. Market size and forecast, by component
    - 7.2.5.3. Mexico
      - 7.2.5.3.1. Market size and forecast, by technology
      - 7.2.5.3.2. Market size and forecast, by vehicle type
      - 7.2.5.3.3. Market size and forecast, by component
- 7.3. Europe
  - 7.3.1. Key market trends, growth factors, and opportunities
  - 7.3.2. Market size and forecast, by technology

7.3.3. Market size and forecast, by vehicle type

7.3.4. Market size and forecast, by component

7.3.5. Market analysis by country

7.3.5.1. UK

7.3.5.1.1. Market size and forecast, by technology

7.3.5.1.2. Market size and forecast, by vehicle type

7.3.5.1.3. Market size and forecast, by component

7.3.5.2. Germany

7.3.5.2.1. Market size and forecast, by technology

7.3.5.2.2. Market size and forecast, by vehicle type

7.3.5.2.3. Market size and forecast, by component

7.3.5.3. France

7.3.5.3.1. Market size and forecast, by technology

7.3.5.3.2. Market size and forecast, by vehicle type

7.3.5.3.3. Market size and forecast, by component

7.3.5.4. Spain

7.3.5.4.1. Market size and forecast, by technology

7.3.5.4.2. Market size and forecast, by vehicle type

7.3.5.4.3. Market size and forecast, by component

7.3.5.5. Rest of Europe

7.3.5.5.1. Market size and forecast, by technology

7.3.5.5.2. Market size and forecast, by vehicle type

7.3.5.5.3. Market size and forecast, by component

7.4. Asia-Pacific

7.4.1. Key market trends, growth factors, and opportunities

7.4.2. Market size and forecast, by technology

7.4.3. Market size and forecast, by vehicle type

7.4.4. Market size and forecast, by component

7.4.5. Market analysis by country

7.4.5.1. China

7.4.5.1.1. Market size and forecast, by technology

7.4.5.1.2. Market size and forecast, by vehicle type

7.4.5.1.3. Market size and forecast, by component

7.4.5.2. Japan

7.4.5.2.1. Market size and forecast, by technology

7.4.5.2.2. Market size and forecast, by vehicle type

7.4.5.2.3. Market size and forecast, by component

7.4.5.3. India

7.4.5.3.1. Market size and forecast, by technology



7.4.5.3.2. Market size and forecast, by vehicle type

7.4.5.3.3. Market size and forecast, by component

7.4.5.4. Australia

7.4.5.4.1. Market size and forecast, by technology

7.4.5.4.2. Market size and forecast, by vehicle type

7.4.5.4.3. Market size and forecast, by component

7.4.5.5. Rest of Asia-Pacific

7.4.5.5.1. Market size and forecast, by technology

7.4.5.5.2. Market size and forecast, by vehicle type

7.4.5.5.3. Market size and forecast, by component

7.5. LAMEA

7.5.1. Key market trends, growth factors, and opportunities

7.5.2. Market size and forecast, by technology

7.5.3. Market size and forecast, by vehicle type

7.5.4. Market size and forecast, by component

7.5.5. Market analysis by country

7.5.5.1. Latin America

7.5.5.1.1. Market size and forecast, by technology

7.5.5.1.2. Market size and forecast, by vehicle type

7.5.5.1.3. Market size and forecast, by component

7.5.5.2. Middle East

7.5.5.2.1. Market size and forecast, by technology

7.5.5.2.2. Market size and forecast, by vehicle type

7.5.5.2.3. Market size and forecast, by component

7.5.5.3. Africa

7.5.5.3.1. Market size and forecast, by technology

7.5.5.3.2. Market size and forecast, by vehicle type

7.5.5.3.3. Market size and forecast, by component

## **CHAPTER 8: COMPANY PROFILES**

8.1. Air International Thermal Systems

8.1.1. Company overview

8.1.2. Company snapshot

8.1.3. Operating business segments

8.1.4. Product portfolio

8.2. DENSO CORPORATION

8.2.1. Company overview

8.2.2. Company snapshot

- 8.2.3. Operating business segments
- 8.2.4. Product portfolio
- 8.2.5. Business performance
- 8.2.6. Key strategic moves and developments
- 8.3. HANON SYSTEMS
  - 8.3.1. Company overview
  - 8.3.2. Company snapshot
  - 8.3.3. Product portfolio
  - 8.3.4. Business performance
  - 8.3.5. Key strategic moves and developments
- 8.4. CALSONIC KANSEI CORPORATION
  - 8.4.1. Company overview
  - 8.4.2. Company snapshot
  - 8.4.3. Product portfolio
  - 8.4.4. Key strategic moves and developments
- 8.5. JOHNSON ELECTRIC HOLDINGS LIMITED
  - 8.5.1. Company overview
  - 8.5.2. Company snapshot
  - 8.5.3. Operating business segments
  - 8.5.4. Product portfolio
  - 8.5.5. Business performance
- 8.6. KEIHIN CORPORATION
  - 8.6.1. Company overview
  - 8.6.2. Company snapshot
  - 8.6.3. Product portfolio
  - 8.6.4. Business performance
- 8.7. MAHLE GmbH
  - 8.7.1. Company overview
  - 8.7.2. Company snapshot
  - 8.7.3. Operating business segments
  - 8.7.4. Product portfolio
  - 8.7.5. Business performance
  - 8.7.6. Key strategic moves and developments
- 8.8. SANDEN HOLDINGS CORPORATION
  - 8.8.1. Company overview
  - 8.8.2. Company snapshot
  - 8.8.3. Product portfolio
  - 8.8.4. Business performance
- 8.9. SENSATA TECHNOLOGIES

- 8.9.1. Company overview
- 8.9.2. Company snapshot
- 8.9.3. Operating business segments
- 8.9.4. Business performance
- 8.10. VALEO SERVICE
  - 8.10.1. Company overview
  - 8.10.2. Company snapshot
  - 8.10.3. Operating business segments
  - 8.10.4. Product portfolio
  - 8.10.5. Business performance
  - 8.10.6. Key strategic moves and developments

## List Of Tables

### LIST OF TABLES

TABLE 01. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019-2027(\$MILLION)

TABLE 02. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR AUTOMATIC, BY REGION 2019-2027 (\$MILLION)

TABLE 03. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR MANUAL, BY REGION 2019-2027 (\$MILLION)

TABLE 04. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019-2027(\$MILLION)

TABLE 05. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR PASSENGER CAR, BY REGION 2019-2027 (\$MILLION)

TABLE 06. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR NLP, BY REGION 2019-2027 (\$MILLION)

TABLE 07. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR ELECTRIC VEHICLE, BY REGION 2019-2027 (\$MILLION)

TABLE 08. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019-2027(\$MILLION)

TABLE 09. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR EVAPORATOR, BY REGION 2019-2027 (\$MILLION)

TABLE 10. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR COMPRESSOR, BY REGION 2019-2027 (\$MILLION)

TABLE 11. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR CONDENSER, BY REGION 2019-2027 (\$MILLION)

TABLE 12. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR RECEIVER-DRIER, BY REGION 2019-2027 (\$MILLION)

TABLE 13. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR EXPANSION VALVE, BY REGION 2019-2027 (\$MILLION)

TABLE 14. AUTOMOTIVE HVAC SYSTEM MARKET REVENUE FOR OTHERS, BY REGION 2019-2027 (\$MILLION)

TABLE 15. NORTH AMERICAN AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019-2027 (\$MILLION)

TABLE 16. NORTH AMERICAN AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019-2027 (\$MILLION)

TABLE 17. NORTH AMERICAN AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019-2027 (\$MILLION)

TABLE 18. U.S. AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,

2019–2027 (\$MILLION)

TABLE 19. U.S. AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 20. U. S. AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 21. CANADA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 22. CANADA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 23. CANADA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 24. MEXICO AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 25. MEXICO AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 26. MEXICO AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 27. EUROPEAN AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 28. EUROPEAN AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE  
TYPE, 2019–2027 (\$MILLION)

TABLE 29. EUROPEAN AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 30. UK AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 31. UK AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 32. UK AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 33. GERMANY AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 34. GERMANY AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 35. GERMANY AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT,  
2019–2027 (\$MILLION)

TABLE 36. FRANCE AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,  
2019–2027 (\$MILLION)

TABLE 37. FRANCE AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE,  
2019–2027 (\$MILLION)

TABLE 38. FRANCE AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 39. SPAIN AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 40. SPAIN AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 41. SPAIN AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 42. REST OF EUROPE AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 43. REST OF EUROPE AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 44. REST OF EUROPE AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 45. ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 46. ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 47. ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 48. CHINA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 49. CHINA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 50. CHINA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 51. JAPAN AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 52. JAPAN AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 53. JAPAN AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 54. INDIA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 55. INDIA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 56. INDIA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 57. AUSTRALIA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY,

2019–2027 (\$MILLION)

TABLE 58. AUSTRALIA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 59. AUSTRALIA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 60. REST OF ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 61. REST OF ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 62. REST OF ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 63. LAMEA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 64. LAMEA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 65. LAMEA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 66. LATIN AMERICA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 67. LATIN AMERICA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 68. LATIN AMERICA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 69. MIDDLE EAST AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 70. MIDDLE EAST AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 71. MIDDLE EAST AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 72. AFRICA AUTOMOTIVE HVAC SYSTEM MARKET, BY TECHNOLOGY, 2019–2027 (\$MILLION)

TABLE 73. AFRICA AUTOMOTIVE HVAC SYSTEM MARKET, BY VEHICLE TYPE, 2019–2027 (\$MILLION)

TABLE 74. AFRICA AUTOMOTIVE HVAC SYSTEM MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 75. AIR INTERNATIONAL THERMAL SYSTEMS: COMPANY SNAPSHOT

TABLE 76. AIR INTERNATIONAL THERMAL SYSTEMS: OPERATING SEGMENTS

TABLE 77. AIR INTERNATIONAL THERMAL SYSTEMS: PRODUCT PORTFOLIO

TABLE 78. DENSO CORPORATION: COMPANY SNAPSHOT



TABLE 79. DENSO CORPORATION: OPERATING SEGMENTS
TABLE 80. DENSO CORPORATION: PRODUCT PORTFOLIO
TABLE 81. HANON SYSTEMS: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 82. HANON SYSTEMS: COMPANY SNAPSHOT
TABLE 83. HANON SYSTEMS: PRODUCT PORTFOLIO
TABLE 84. HANON SYSTEMS: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 85. CALSONIC KANSEI CORPORATION: COMPANY SNAPSHOT
TABLE 86. CALSONIC KANSEI CORPORATION: PRODUCT PORTFOLIO
TABLE 87. CALSONIC KANSEI CORPORATION: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 88. JOHNSON ELECTRIC HOLDINGS LIMITED: COMPANY SNAPSHOT
TABLE 89. JOHNSON ELECTRIC HOLDINGS LIMITED: OPERATING SEGMENTS
TABLE 90. JOHNSON ELECTRIC HOLDINGS LIMITED: PRODUCT PORTFOLIO
TABLE 91. KEIHIN CORPORATION: COMPANY SNAPSHOT
TABLE 92. KEIHIN CORPORATION: PRODUCT PORTFOLIO
TABLE 93. MAHLE: COMPANY SNAPSHOT
TABLE 94. MAHLE: OPERATING SEGMENTS
TABLE 95. MAHLE: PRODUCT PORTFOLIO
TABLE 96. MAHLE ANAND THERMAL SYSTEMS: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 97. SANDEN HOLDINGS CORPORATION.: COMPANY SNAPSHOT
TABLE 98. SANDEN HOLDINGS CORPORATION.: PRODUCT PORTFOLIO
TABLE 99. SENSATA TECHNOLOGIES: COMPANY SNAPSHOT
TABLE 100. SENSATA TECHNOLOGIES: OPERATING SEGMENTS
TABLE 101. VALEO SERVICE: COMPANY SNAPSHOT
TABLE 102. VALEO SERVICE: OPERATING SEGMENTS
TABLE 103. VALEO SERVICE: PRODUCT PORTFOLIO
TABLE 104. VALEO SERVICES: KEY STRATEGIC MOVES AND DEVELOPMENTS



## List Of Figures

### LIST OF FIGURES

FIGURE 01. KEY MARKET SEGMENTS

FIGURE 02. EXECUTIVE SUMMARY

FIGURE 03. EXECUTIVE SUMMARY

FIGURE 04. TOP IMPACTING FACTORS

FIGURE 05. TOP INVESTMENT POCKETS

FIGURE 06. TOP WINNING STRATEGIES, BY YEAR, 2016–2019\*

FIGURE 07. TOP WINNING STRATEGIES, BY STRATEGY, 2016–2019\*

FIGURE 08. TOP WINNING STRATEGIES, BY COMPANY, 2016–2019\*

FIGURE 09. MODERATE-TO-HIGH BARGAINING POWER OF SUPPLIERS

FIGURE 10. MODERATE-TO-HIGH THREAT OF NEW ENTRANTS

FIGURE 11. MODERATE THREAT OF SUBSTITUTES

FIGURE 12. HIGH-TO-MODERATE INTENSITY OF RIVALRY

FIGURE 13. HIGH-TO-MODERATE BARGAINING POWER OF BUYERS

FIGURE 14. MARKET SHARE ANALYSIS (2019)

FIGURE 15. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKET SHARE, BY TECHNOLOGY, 2019–2027 (%)

FIGURE 16. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET FOR AUTOMATIC, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 17. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET FOR MANUAL, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 18. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKETSHARE, BY VEHICLE TYPE, 2019–2027 (%)

FIGURE 19. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKETFOR PASSENGER CAR, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 20. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKETFOR NLP, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 21. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKETFOR ELECTRIC VEHICLE, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 22. GLOBAL AUTOMOTIVE HVAC SYSTEM MARKETSHARE, BY COMPONENT, 2019–2027 (%)

FIGURE 23. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKETFOR EVAPORATOR, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 24. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKETFOR COMPRESSOR, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 25. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM

MARKET FOR CONDENSER, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 26. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET FOR RECEIVER-DRIER, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 27. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET FOR EXPANSION VALVE, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 28. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET FOR OTHERS, BY COUNTRY, 2019-2027 (\$MILLION)

FIGURE 29. AUTOMOTIVE HVAC SYSTEM MARKET, BY REGION, 2019-2027 (%)

FIGURE 30. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET, BY COUNTRY, 2019-2027 (%)

FIGURE 31. U.S. AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 32. CANADA AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 33. MEXICO AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 34. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET, BY COUNTRY, 2019-2027 (%)

FIGURE 35. UK AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 36. GERMANY AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 37. FRANCE AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 38. SPAIN AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 39. REST OF EUROPE AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 40. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET, BY COUNTRY, 2019-2027 (%)

FIGURE 41. CHINA AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 42. JAPAN AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 43. INDIA AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 44. AUSTRALIA AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 45. REST OF ASIA-PACIFIC AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 46. COMPARATIVE SHARE ANALYSIS OF AUTOMOTIVE HVAC SYSTEM MARKET, BY COUNTRY, 2019-2027 (%)

FIGURE 47. LATIN AMERICA AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027 (\$MILLION)

FIGURE 48. MIDDLE EAST AUTOMOTIVE HVAC SYSTEM MARKET, 2019-2027

(\$MILLION)

FIGURE 49. AFRICA AUTOMOTIVE HVAC SYSTEM MARKET, 2019–2027

(\$MILLION)

FIGURE 50. DENSO CORPORATION: REVENUE, 2017-2019 (\$MILLION)

FIGURE 51. DENSO CORPORATION: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 52. DENSO CORPORATION: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 53. HANON SYSTEMS: REVENUE, 2016–2018 (\$MILLION)

FIGURE 54. HANON SYSTEMS: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 55. JOHNSON ELECTRIC HOLDINGS LIMITED: REVENUE, 2016–2018 (\$MILLION)

FIGURE 56. JOHNSON ELECTRIC HOLDINGS LIMITED: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 57. JOHNSON ELECTRIC HOLDINGS LIMITED: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 58. KEIHIN CORPORATION: REVENUE, 2016–2018 (\$MILLION)

FIGURE 59. KEIHIN CORPORATION: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 60. MAHLE: NET SALES, 2016–2018 (\$MILLION)

FIGURE 61. MAHLE: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 62. MAHLE: REVENUE SHARE BY GEOGRAPHY, 2018 (%)

FIGURE 63. SANDEN HOLDING CORPORATIONS: NET SALES, 2016–2018 (\$MILLION)

FIGURE 64. SANDEN HOLDING CORPORATIONS: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 65. SANDEN HOLDING CORPORATIONS: REVENUE SHARE BY GEOGRAPHY, 2018 (%)

FIGURE 66. SENSATA TECHNOLOGIES: REVENUE, 2017–2019 (\$MILLION)

FIGURE 67. SENSATA TECHNOLOGIES: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 68. SENSATA TECHNOLOGIES: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 69. VALEO SERVICE: REVENUE, 2016–2018 (\$MILLION)

FIGURE 70. VALEO SERVICE: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 71. VALEO SERVICE: REVENUE SHARE BY REGION, 2018 (%)

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