

# **India Automotive HVAC Market by Technology (Manual and Automatic) and Vehicle Type (Passenger Cars, Light Commercial Vehicle, and Heavy Commercial Vehicle): Opportunity Analysis and Industry Forecast, 2019-2026**

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## **Abstracts**

HVAC is the technology that is used for automotive cabin comfort. It can also be used to facilitate and manage the favorable and pleasant conditions inside the cabin by controlling the degree of the temperature. The basic operation of the HVAC system is convection and conduction. Heat is transferred from the region of low-temperature to the region of high-temperature in the vehicle due to pressure difference. Evaporator, condenser, compressor, and others are the major components of the HVAC system.

Further, a heating, ventilation, and air conditioning (HVAC) system in a vehicle is used to control the internal temperature of the vehicle cabin. 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.

The factors such as growth in the Indian automotive industry, rise in demand for thermal comfort, and increase in safety due to adoption of HVAC systems are expected to boost the growth of the India automotive HVAC market. However, high maintenance cost of the HVAC system restrains the growth of the market. Furthermore, adoption of eco-friendly refrigerants and production of cheaper HVAC systems provide lucrative growth

opportunity for the players operating in the Indian automotive HVAC market.

Automotive HVAC market in India is anticipated to witness significant growth over the years, owing to rise in the Indian automobile industry.

The India automotive HVAC market is segmented on the basis of technology and vehicle type. Based on technology, the market is categorized into manual and automatic. On the basis of vehicle type, it is classified into passenger car, light commercial vehicle, and heavy commercial vehicle.

The key players including Samvardhana Motherson Group, MAHLE ANAND Thermal Systems, Subros Limited, Sanden Vikas (India) Ltd., Denso Corporation, Hanon Systems, Johnson Electric Holdings Limited, Sensata Technologies, Keihin Corporation, Valeo Service, and others are studied in the report.

## KEY BENEFITS FOR STAKEHOLDERS

This study presents the analytical depiction of the India automotive HVAC 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 a detailed impact analysis.

The current market is quantitatively analyzed from 2019 to 2026 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

Manual

Automatic

By Vehicle Type

Passenger cars

Light commercial vehicle

Heavy commercial vehicle

## 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 (2018)
- 3.5. Market Dynamics
  - 3.5.1. Drivers
    - 3.5.1.1. Growth In The Indian Automobile Industry
    - 3.5.1.2. Rise In Demand For Thermal Comfort
    - 3.5.1.3. Increase In Safety Due To Adoption of Hvac Systems
  - 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: INDIA AUTOMOTIVE HVAC MARKET, BY TECHNOLOGY

- 4.1. Overview

## 4.2. Manual

### 4.2.1. Key Market Trends, Growth Factors, And Opportunities

### 4.2.2. Market Size And Forecast, By Region

## 4.3. Automatic

### 4.3.1. Key Market Trends, Growth Factors, And Opportunities

### 4.3.2. Market Size And Forecast, By Region

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

## 5.1. Overview

## 5.2. Passenger Cars

### 5.2.1. Key Market Trends, Growth Factors, And Opportunities

### 5.2.2. Market Size And Forecast, By Region

## 5.3. Light Commercial Vehicle

### 5.3.1. Key Market Trends, Growth Factors, And Opportunities

### 5.3.2. Market Size And Forecast, By Region

## 5.4. Heavy Commercial Vehicle

### 5.4.1. Key Market Trends, Growth Factors, And Opportunities

### 5.4.2. Market Size And Forecast, By Region

## **CHAPTER 6: COMPANY PROFILES**

## 6.1. Samvardhana Motherson Group

### 6.1.1. Company Overview

### 6.1.2. Company Snapshot

### 6.1.3. Operating Business Segments

### 6.1.4. Product Portfolio

### 6.1.5. Business Performance

## 6.2. Mahle Anand Thermal Systems

### 6.2.1. Company Overview

### 6.2.2. Company Snapshot

### 6.2.3. Product Portfolio

### 6.2.4. Key Strategic Moves And Developments

## 6.3. Subros Limited

### 6.3.1. Company Overview

### 6.3.2. Company Snapshot

### 6.3.3. Product Portfolio

### 6.3.4. Business Performance

## 6.4. Sanden Vikas (India) Ltd.

- 6.4.1. Company Overview
- 6.4.2. Company Snapshot
- 6.4.3. Product Portfolio
- 6.5. Denso Corporation
  - 6.5.1. Company Overview
  - 6.5.2. Company Snapshot
  - 6.5.3. Operating Business Segments
  - 6.5.4. Product Portfolio
  - 6.5.5. Business Performance
- 6.6. Hanon Systems
  - 6.6.1. Company Overview
  - 6.6.2. Company Snapshot
  - 6.6.3. Product Portfolio
  - 6.6.4. Business Performance
  - 6.6.5. Key Strategic Moves And Developments
- 6.7. Johnson Electric Holdings Limited
  - 6.7.1. Company Overview
  - 6.7.2. Company Snapshot
  - 6.7.3. Operating Business Segments
  - 6.7.4. Product Portfolio
  - 6.7.5. Business Performance
- 6.8. Sensata Technologies
  - 6.8.1. Company Overview
  - 6.8.2. Company Snapshot
  - 6.8.3. Operating Business Segments
  - 6.8.4. Business Performance
- 6.9. Keihin Corporation
  - 6.9.1. Company Overview
  - 6.9.2. Company Snapshot
  - 6.9.3. Product Portfolio
  - 6.9.4. Business Performance
- 6.10. Valeo Service
  - 6.10.1. Company Overview
  - 6.10.2. Company Snapshot
  - 6.10.3. Operating Business Segments
  - 6.10.4. Product Portfolio
  - 6.10.5. Business Performance

## List Of Tables

### LIST OF TABLES

Table 01.	India Automotive Hvac Market, By Technology, 2018–2026 (\$Million)
Table 02.	India Automotive Hvac Market, By Vehicle Type, 2018-2026(\$Million)
Table 03.	Samvardhana Motherson Group: Company Snapshot
Table 04.	Samvardhana Motherson Group: Operating Segments
Table 05.	Samvardhana Motherson Group: Product Portfolio
Table 06.	Mahle Anand Thermal Systems: Company Snapshot
Table 07.	Mahle Anand Thermal Systems: Product Portfolio
Table 08.	Mahle Anand Thermal Systems: Key Strategic Moves And Developments
Table 09.	Subros Limited: Company Snapshot
Table 10.	Subros Limited: Product Portfolio
Table 11.	Sanden Vikas Ltd.: Company Snapshot
Table 12.	Sanden Vikas Ltd.: Product Portfolio
Table 13.	Denso Corporation: Company Snapshot
Table 14.	Denso Corporation: Operating Segments
Table 15.	Denso Corporation: Product Portfolio
Table 16.	Hanon Systems: Company Snapshot
Table 17.	Hanon Systems: Product Portfolio
Table 18.	Hanon Systems: Key Strategic Moves And Developments
Table 19.	Johnson Electric Holdings Limited: Company Snapshot
Table 20.	Johnson Electric Holdings Limited: Operating Segments
Table 21.	Johnson Electric Holdings Limited: Product Portfolio
Table 22.	Sensata Technologies: Company Snapshot
Table 23.	Sensata Technologies: Operating Segments
Table 24.	Keihin Corporation: Company Snapshot
Table 25.	Keihin Corporation: Product Portfolio
Table 26.	Valeo Service: Company Snapshot
Table 27.	Valeo Service: Operating Segments
Table 28.	Valeo Service: Product Portfolio

## List Of Figures

### LIST OF FIGURES

- Figure 01. Executive Summary
- Figure 02. Top Impacting Factors
- Figure 03. Top Investment Pockets
- Figure 04. Top Winning Strategies, By Year, 2016–2019\*
- Figure 05. Top Winning Strategies, By Year, 2016–2019\*
- Figure 06. Top Winning Strategies, By Company, 2016–2019\*
- Figure 07. Moderate-To-High Bargaining Power of Suppliers
- Figure 08. Moderate-To-High Threat of New Entrants
- Figure 09. Moderate Threat of Substitutes
- Figure 10. High-To-Moderate Intensity of Rivalry
- Figure 11. Moderate Bargaining Power of Buyers
- Figure 12. Market Share Analysis (2018)
- Figure 13. India Automotive Hvac Market Share, By Technology, 2018–2026 (%)
- Figure 14. Automotive India Hvac For Manual, 2018-2026 (\$Million)
- Figure 15. Automotive India Hvac For Automatic, 2018-2026 (\$Million)
- Figure 16. India Automotive Hvac Market Share, By Vehicle Type, 2018 & 2026 (%)
- Figure 17. Automotive India Hvac For Passenger Cars, 2018-2026 (\$Million).
- Figure 18. Automotive India Hvac For Light Commercial Vehicle, 2018-2026 (\$Million).
- Figure 19. Automotive India Hvac For Heavy Commercial Vehicle, 2018-2026 (\$Million)
- Figure 20. Samvardhana Motherson Group: Revenue From India, 2016–2018 (\$Million)
- Figure 21. Samvardhana Motherson Group: Revenue Share By Segment, 2018 (%)
- Figure 22. Samvardhana Motherson Group: Revenue Share By Region, 2018 (%)
- Figure 23. Subros Limited: Revenue, 2016–2018 (\$Million)
- Figure 24. Denso Corporation: Revenue, 2016–2018 (\$Million)
- Figure 25. Denso Corporation: Revenue Share By Segment, 2018 (%)
- Figure 26. Denso Corporation: Revenue Share By Region, 2018 (%)
- Figure 27. Hanon Systems: Revenue, 2016–2018 (\$Million)
- Figure 28. Hanon Systems: Revenue Share By Region, 2018 (%)
- Figure 29. Johnson Electric Holdings Limited: Revenue, 2016–2018 (\$Million)
- Figure 30. Johnson Electric Holdings Limited: Revenue Share By Segment, 2018 (%)
- Figure 31. Johnson Electric Holdings Limited: Revenue Share By Region, 2018 (%)
- Figure 32. Sensata Technologies: Revenue, 2016–2018 (\$Million)
- Figure 33. Sensata Technologies: Revenue Share By Segment, 2018 (%)
- Figure 34. Sensata Technologies: Revenue Share By Region, 2018 (%)
- Figure 35. Keihin Corporation: Revenue, 2016–2018 (\$Million)



Figure 36. Keihin Corporation: Revenue Share By Region, 2018 (%)

Figure 37. Valeo Service: Revenue, 2016–2018 (\$Million)

Figure 38. Valeo Service: Revenue Share By Segment, 2018 (%)

Figure 39. Valeo Service: Revenue Share By Region, 2018 (%)

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