

Global Gas Engine-driven Heat Pump (GEHP) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Gas Engine-driven Heat Pump (GEHP) market size was valued at USD 790.5 million in 2023 and is forecast to a readjusted size of USD 742.5 million by 2030 with a CAGR of -0.9% during review period.

Gas Engine-driven Heat Pump (GEHP) or Gas Heat Pumps (GHP) air conditioning systems are used to comfortably heat or cool large spaces. They use gas to fuel the engine that drives the compressor. A gas heat pump is a heating appliance which uses the renewable energy stored in the soil, groundwater or the environment for heating purposes. It then combines this environmental heat with high efficiency gas-fired condensing technology.

What's GHPAn air conditioning system provides both cooling and heating by circulating refrigerant with a compressor (Heat Pump Cycle). The basic system for the heating and cooling cycle is the same as an Electric Heat Pump (EHP). The main difference between GHP and EHP is whether it uses an electric motor or a gas engine to drive the compressor in the outdoor unit, which is often called the heart of the air conditioning system. This difference realizes comfortable cooling and heating in a GHP and is the major feature of a GHP system that offers numerous advantages.

Global key players of gas engine-driven heat pump (GEHP) include Yanmar, Aisin Seiki, etc. Global top 2 companies hold a share about 75%. Japan is the largest market, with a share over 80%, followed by Asia Pacific Others with the share about 12%. In terms of product, 10-20HP is the largest segment, with a share over 70%. And in terms of application, the largest application is commercial application, with a share about 60%.

The Global Info Research report includes an overview of the development of the Gas Engine-driven Heat Pump (GEHP) industry chain, the market status of Commercial (Below 10HP, 10-20HP), Schools & Universities (Below 10HP, 10-20HP), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Gas Engine-driven Heat Pump (GEHP).

Regionally, the report analyzes the Gas Engine-driven Heat Pump (GEHP) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Gas Engine-driven Heat Pump (GEHP) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Gas Engine-driven Heat Pump (GEHP) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Gas Engine-driven Heat Pump (GEHP) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Below 10HP, 10-20HP).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Gas Engine-driven Heat Pump (GEHP) market.

Regional Analysis: The report involves examining the Gas Engine-driven Heat Pump (GEHP) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future

projections and forecasts for the Gas Engine-driven Heat Pump (GEHP) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Gas Engine-driven Heat Pump (GEHP):

Company Analysis: Report covers individual Gas Engine-driven Heat Pump (GEHP) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Gas Engine-driven Heat Pump (GEHP). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial, Schools & Universities).

Technology Analysis: Report covers specific technologies relevant to Gas Engine-driven Heat Pump (GEHP). It assesses the current state, advancements, and potential future developments in Gas Engine-driven Heat Pump (GEHP) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Gas Engine-driven Heat Pump (GEHP) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Gas Engine-driven Heat Pump (GEHP) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Below 10HP

10-20HP

Above 20HP

Market segment by Application

Commercial

Schools & Universities

Industrial & Residential

Major players covered

Yanmar

Aisin Seiki

Panasonic

Daikin

Mitsubishi

LG Electronics

Schwank

Tecogen, Inc.

Blue Flame High-tech (Tianjin)

Smart Action

Market segment by region, regional analysis covers

Global Gas Engine-driven Heat Pump (GEHP) Market 2024 by Manufacturers, Regions, Type and Application, Forecas...

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Gas Engine-driven Heat Pump (GEHP) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gas Engine-driven Heat Pump (GEHP), with price, sales, revenue and global market share of Gas Engine-driven Heat Pump (GEHP) from 2019 to 2024.

Chapter 3, the Gas Engine-driven Heat Pump (GEHP) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gas Engine-driven Heat Pump (GEHP) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Gas Engine-driven Heat Pump (GEHP) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gas Engine-driven Heat Pump (GEHP).

Chapter 14 and 15, to describe Gas Engine-driven Heat Pump (GEHP) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Gas Engine-driven Heat Pump (GEHP)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Below 10HP
 - 1.3.3 10-20HP
 - 1.3.4 Above 20HP
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Commercial
 - 1.4.3 Schools & Universities
 - 1.4.4 Industrial & Residential
- 1.5 Global Gas Engine-driven Heat Pump (GEHP) Market Size & Forecast
 - 1.5.1 Global Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity (2019-2030)
 - 1.5.3 Global Gas Engine-driven Heat Pump (GEHP) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Yanmar
 - 2.1.1 Yanmar Details
 - 2.1.2 Yanmar Major Business
 - 2.1.3 Yanmar Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.1.4 Yanmar Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Yanmar Recent Developments/Updates
- 2.2 Aisin Seiki
 - 2.2.1 Aisin Seiki Details
 - 2.2.2 Aisin Seiki Major Business
 - 2.2.3 Aisin Seiki Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.2.4 Aisin Seiki Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 Aisin Seiki Recent Developments/Updates
- 2.3 Panasonic
 - 2.3.1 Panasonic Details
 - 2.3.2 Panasonic Major Business
 - 2.3.3 Panasonic Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.3.4 Panasonic Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 Panasonic Recent Developments/Updates
- 2.4 Daikin
 - 2.4.1 Daikin Details
 - 2.4.2 Daikin Major Business
 - 2.4.3 Daikin Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.4.4 Daikin Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 Daikin Recent Developments/Updates
- 2.5 Mitsubishi
 - 2.5.1 Mitsubishi Details
 - 2.5.2 Mitsubishi Major Business
 - 2.5.3 Mitsubishi Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.5.4 Mitsubishi Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Mitsubishi Recent Developments/Updates
- 2.6 LG Electronics
 - 2.6.1 LG Electronics Details
 - 2.6.2 LG Electronics Major Business
 - 2.6.3 LG Electronics Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.6.4 LG Electronics Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 LG Electronics Recent Developments/Updates
- 2.7 Schwank
 - 2.7.1 Schwank Details
 - 2.7.2 Schwank Major Business
 - 2.7.3 Schwank Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.7.4 Schwank Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Schwank Recent Developments/Updates
- 2.8 Tecogen, Inc.
 - 2.8.1 Tecogen, Inc. Details
 - 2.8.2 Tecogen, Inc. Major Business

- 2.8.3 Tecogen, Inc. Gas Engine-driven Heat Pump (GEHP) Product and Services
- 2.8.4 Tecogen, Inc. Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Tecogen, Inc. Recent Developments/Updates
- 2.9 Blue Flame High-tech (Tianjin)
 - 2.9.1 Blue Flame High-tech (Tianjin) Details
 - 2.9.2 Blue Flame High-tech (Tianjin) Major Business
 - 2.9.3 Blue Flame High-tech (Tianjin) Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.9.4 Blue Flame High-tech (Tianjin) Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Blue Flame High-tech (Tianjin) Recent Developments/Updates
- 2.10 Smart Action
 - 2.10.1 Smart Action Details
 - 2.10.2 Smart Action Major Business
 - 2.10.3 Smart Action Gas Engine-driven Heat Pump (GEHP) Product and Services
 - 2.10.4 Smart Action Gas Engine-driven Heat Pump (GEHP) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Smart Action Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GAS ENGINE-DRIVEN HEAT PUMP (GEHP) BY MANUFACTURER

- 3.1 Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Gas Engine-driven Heat Pump (GEHP) Revenue by Manufacturer (2019-2024)
- 3.3 Global Gas Engine-driven Heat Pump (GEHP) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Gas Engine-driven Heat Pump (GEHP) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Gas Engine-driven Heat Pump (GEHP) Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Gas Engine-driven Heat Pump (GEHP) Manufacturer Market Share in 2023
- 3.5 Gas Engine-driven Heat Pump (GEHP) Market: Overall Company Footprint Analysis
 - 3.5.1 Gas Engine-driven Heat Pump (GEHP) Market: Region Footprint
 - 3.5.2 Gas Engine-driven Heat Pump (GEHP) Market: Company Product Type

Footprint

3.5.3 Gas Engine-driven Heat Pump (GEHP) Market: Company Product Application

Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Gas Engine-driven Heat Pump (GEHP) Market Size by Region

4.1.1 Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region
(2019-2030)

4.1.2 Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region
(2019-2030)

4.1.3 Global Gas Engine-driven Heat Pump (GEHP) Average Price by Region
(2019-2030)

4.2 North America Gas Engine-driven Heat Pump (GEHP) Consumption Value
(2019-2030)

4.3 Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030)

4.4 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value
(2019-2030)

4.5 South America Gas Engine-driven Heat Pump (GEHP) Consumption Value
(2019-2030)

4.6 Middle East and Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value
(2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2030)

5.2 Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type
(2019-2030)

5.3 Global Gas Engine-driven Heat Pump (GEHP) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application
(2019-2030)

6.2 Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application
(2019-2030)

6.3 Global Gas Engine-driven Heat Pump (GEHP) Average Price by Application

(2019-2030)

7 NORTH AMERICA

7.1 North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type
(2019-2030)

7.2 North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application
(2019-2030)

7.3 North America Gas Engine-driven Heat Pump (GEHP) Market Size by Country

7.3.1 North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country
(2019-2030)

7.3.2 North America Gas Engine-driven Heat Pump (GEHP) Consumption Value by
Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2030)

8.2 Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application
(2019-2030)

8.3 Europe Gas Engine-driven Heat Pump (GEHP) Market Size by Country

8.3.1 Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country
(2019-2030)

8.3.2 Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country
(2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type
(2019-2030)

9.2 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application
(2019-2030)

9.3 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Market Size by Region

9.3.1 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2030)

10.2 South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2030)

10.3 South America Gas Engine-driven Heat Pump (GEHP) Market Size by Country

10.3.1 South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2019-2030)

10.3.2 South America Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Market Size by Country

11.3.1 Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

- 11.3.4 Egypt Market Size and Forecast (2019-2030)
- 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
- 11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Gas Engine-driven Heat Pump (GEHP) Market Drivers
- 12.2 Gas Engine-driven Heat Pump (GEHP) Market Restraints
- 12.3 Gas Engine-driven Heat Pump (GEHP) Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Gas Engine-driven Heat Pump (GEHP) and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Gas Engine-driven Heat Pump (GEHP)
- 13.3 Gas Engine-driven Heat Pump (GEHP) Production Process
- 13.4 Gas Engine-driven Heat Pump (GEHP) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Gas Engine-driven Heat Pump (GEHP) Typical Distributors
- 14.3 Gas Engine-driven Heat Pump (GEHP) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Yanmar Basic Information, Manufacturing Base and Competitors

Table 4. Yanmar Major Business

Table 5. Yanmar Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 6. Yanmar Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Yanmar Recent Developments/Updates

Table 8. Aisin Seiki Basic Information, Manufacturing Base and Competitors

Table 9. Aisin Seiki Major Business

Table 10. Aisin Seiki Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 11. Aisin Seiki Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Aisin Seiki Recent Developments/Updates

Table 13. Panasonic Basic Information, Manufacturing Base and Competitors

Table 14. Panasonic Major Business

Table 15. Panasonic Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 16. Panasonic Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Panasonic Recent Developments/Updates

Table 18. Daikin Basic Information, Manufacturing Base and Competitors

Table 19. Daikin Major Business

Table 20. Daikin Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 21. Daikin Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Daikin Recent Developments/Updates

Table 23. Mitsubishi Basic Information, Manufacturing Base and Competitors

Table 24. Mitsubishi Major Business

Table 25. Mitsubishi Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 26. Mitsubishi Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Mitsubishi Recent Developments/Updates

Table 28. LG Electronics Basic Information, Manufacturing Base and Competitors

Table 29. LG Electronics Major Business

Table 30. LG Electronics Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 31. LG Electronics Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. LG Electronics Recent Developments/Updates

Table 33. Schwank Basic Information, Manufacturing Base and Competitors

Table 34. Schwank Major Business

Table 35. Schwank Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 36. Schwank Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Schwank Recent Developments/Updates

Table 38. Tecogen, Inc. Basic Information, Manufacturing Base and Competitors

Table 39. Tecogen, Inc. Major Business

Table 40. Tecogen, Inc. Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 41. Tecogen, Inc. Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Tecogen, Inc. Recent Developments/Updates

Table 43. Blue Flame High-tech (Tianjin) Basic Information, Manufacturing Base and Competitors

Table 44. Blue Flame High-tech (Tianjin) Major Business

Table 45. Blue Flame High-tech (Tianjin) Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 46. Blue Flame High-tech (Tianjin) Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Blue Flame High-tech (Tianjin) Recent Developments/Updates

Table 48. Smart Action Basic Information, Manufacturing Base and Competitors

Table 49. Smart Action Major Business

Table 50. Smart Action Gas Engine-driven Heat Pump (GEHP) Product and Services

Table 51. Smart Action Gas Engine-driven Heat Pump (GEHP) Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2019-2024)

Table 52. Smart Action Recent Developments/Updates

Table 53. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Manufacturer (2019-2024) & (Units)

Table 54. Global Gas Engine-driven Heat Pump (GEHP) Revenue by Manufacturer (2019-2024) & (USD Million)

Table 55. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Manufacturer (2019-2024) & (K US\$/Unit)

Table 56. Market Position of Manufacturers in Gas Engine-driven Heat Pump (GEHP), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and Gas Engine-driven Heat Pump (GEHP) Production Site of Key Manufacturer

Table 58. Gas Engine-driven Heat Pump (GEHP) Market: Company Product Type Footprint

Table 59. Gas Engine-driven Heat Pump (GEHP) Market: Company Product Application Footprint

Table 60. Gas Engine-driven Heat Pump (GEHP) New Market Entrants and Barriers to Market Entry

Table 61. Gas Engine-driven Heat Pump (GEHP) Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2019-2024) & (Units)

Table 63. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2025-2030) & (Units)

Table 64. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Region (2019-2024) & (K US\$/Unit)

Table 67. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Region (2025-2030) & (K US\$/Unit)

Table 68. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 69. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 70. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type

(2025-2030) & (USD Million)

Table 72. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Type (2019-2024) & (K US\$/Unit)

Table 73. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Type (2025-2030) & (K US\$/Unit)

Table 74. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 75. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 76. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Application (2019-2024) & (K US\$/Unit)

Table 79. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Application (2025-2030) & (K US\$/Unit)

Table 80. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 81. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 82. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 83. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 84. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2019-2024) & (Units)

Table 85. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2025-2030) & (Units)

Table 86. North America Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2019-2024) & (USD Million)

Table 87. North America Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 89. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 90. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 91. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 92. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2019-2024) & (Units)

Table 93. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2025-2030) & (Units)

Table 94. Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2025-2030) & (USD Million)

Table 96. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 97. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 98. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 99. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 100. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2019-2024) & (Units)

Table 101. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2025-2030) & (Units)

Table 102. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2019-2024) & (USD Million)

Table 103. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2025-2030) & (USD Million)

Table 104. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 105. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 106. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 107. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 108. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2019-2024) & (Units)

Table 109. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Country (2025-2030) & (Units)

Table 110. South America Gas Engine-driven Heat Pump (GEHP) Consumption Value

by Country (2019-2024) & (USD Million)

Table 111. South America Gas Engine-driven Heat Pump (GEHP) Consumption Value by Country (2025-2030) & (USD Million)

Table 112. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2019-2024) & (Units)

Table 113. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Type (2025-2030) & (Units)

Table 114. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2019-2024) & (Units)

Table 115. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Application (2025-2030) & (Units)

Table 116. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2019-2024) & (Units)

Table 117. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity by Region (2025-2030) & (Units)

Table 118. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Gas Engine-driven Heat Pump (GEHP) Raw Material

Table 121. Key Manufacturers of Gas Engine-driven Heat Pump (GEHP) Raw Materials

Table 122. Gas Engine-driven Heat Pump (GEHP) Typical Distributors

Table 123. Gas Engine-driven Heat Pump (GEHP) Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Gas Engine-driven Heat Pump (GEHP) Picture
- Figure 2. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Type in 2023
- Figure 4. Below 10HP Examples
- Figure 5. 10-20HP Examples
- Figure 6. Above 20HP Examples
- Figure 7. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 8. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Application in 2023
- Figure 9. Commercial Examples
- Figure 10. Schools & Universities Examples
- Figure 11. Industrial & Residential Examples
- Figure 12. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 13. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 14. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity (2019-2030) & (Units)
- Figure 15. Global Gas Engine-driven Heat Pump (GEHP) Average Price (2019-2030) & (K US\$/Unit)
- Figure 16. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Manufacturer in 2023
- Figure 17. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Manufacturer in 2023
- Figure 18. Producer Shipments of Gas Engine-driven Heat Pump (GEHP) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 19. Top 3 Gas Engine-driven Heat Pump (GEHP) Manufacturer (Consumption Value) Market Share in 2023
- Figure 20. Top 6 Gas Engine-driven Heat Pump (GEHP) Manufacturer (Consumption Value) Market Share in 2023
- Figure 21. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Region (2019-2030)

Figure 22. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030) & (USD Million)

Figure 24. Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Type (2019-2030) & (K US\$/Unit)

Figure 31. Global Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)

Figure 32. Global Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Gas Engine-driven Heat Pump (GEHP) Average Price by Application (2019-2030) & (K US\$/Unit)

Figure 34. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share

by Type (2019-2030)

Figure 42. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)

Figure 43. Europe Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Country (2019-2030)

Figure 45. Germany Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Type (2019-2030)

Figure 51. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)

Figure 52. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Region (2019-2030)

Figure 54. China Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Type (2019-2030)

- Figure 61. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)
- Figure 62. South America Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Country (2019-2030)
- Figure 63. South America Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Country (2019-2030)
- Figure 64. Brazil Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 65. Argentina Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 66. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Type (2019-2030)
- Figure 67. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Application (2019-2030)
- Figure 68. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Sales Quantity Market Share by Region (2019-2030)
- Figure 69. Middle East & Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value Market Share by Region (2019-2030)
- Figure 70. Turkey Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 71. Egypt Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 72. Saudi Arabia Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. South Africa Gas Engine-driven Heat Pump (GEHP) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Gas Engine-driven Heat Pump (GEHP) Market Drivers
- Figure 75. Gas Engine-driven Heat Pump (GEHP) Market Restraints
- Figure 76. Gas Engine-driven Heat Pump (GEHP) Market Trends
- Figure 77. Porters Five Forces Analysis
- Figure 78. Manufacturing Cost Structure Analysis of Gas Engine-driven Heat Pump (GEHP) in 2023
- Figure 79. Manufacturing Process Analysis of Gas Engine-driven Heat Pump (GEHP)
- Figure 80. Gas Engine-driven Heat Pump (GEHP) Industrial Chain
- Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 82. Direct Channel Pros & Cons
- Figure 83. Indirect Channel Pros & Cons
- Figure 84. Methodology
- Figure 85. Research Process and Data Source

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