

Turbo Expander Industry Research Report 2024

<https://marketpublishers.com/r/T1CC127E0928EN.html>

Date: April 2024

Pages: 131

Price: US\$ 2,950.00 (Single User License)

ID: T1CC127E0928EN

Abstracts

Summary

Turbo expander is a machine, which continuously converts kinetic energy into mechanical energy. This is done by expanding the high pressure gas from upstream to a lower pressure downstream through the Expander. The high pressure gas causes the radial expander to rotate. Rotation is transmitted to the shaft, which is supported by a set of bearings. The power transmitted to the shaft can be used to drive a compressor, drive an electrical generator or can be dissipated through an oil brake or air brake. Turbo Expander is also referred to as a turbo-expander or an expansion turbine, is a centrifugal or axial flow turbine through which a high pressure gas is expanded to produce work that is often used to drive a compressor.

According to APO Research, The global Turbo Expander market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for Turbo Expander is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Turbo Expander is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Turbo Expander is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Turbo Expander include , etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Turbo Expander, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Turbo Expander.

The report will help the Turbo Expander manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Turbo Expander market size, estimations, and forecasts are provided in terms of sales volume (Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Turbo Expander market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Cryostar

Atlas Copco

GE(Baker Hughes)

Air Products

ACD

L.A. Turbine

Turbogaz

Samsung

RMG

Hangyang Group

SASPG

HNEC

Suzhou Xida

Beifang Asp

Jianyang Ruite

Huayu

Air Liquide

Hanwha

Turbo Expander segment by Type

Radial-Axial Turbo Expander

Radial Turbo Expander

Axial Turbo Expander

Turbo Expander segment by Application

Air Separation

Liquefied Natural Gas(LNG)

Petrochemical Processing

Waste Heat or Other Power Recovery

Others

Turbo Expander Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Turbo Expander market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Turbo Expander and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Turbo Expander.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Turbo Expander manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Turbo Expander by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Turbo Expander in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Turbo Expander by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Radial-Axial Turbo Expander
 - 2.2.3 Radial Turbo Expander
 - 2.2.4 Axial Turbo Expander
- 2.3 Turbo Expander by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Air Separation
 - 2.3.3 Liquefied Natural Gas(LNG)
 - 2.3.4 Petrochemical Processing
 - 2.3.5 Waste Heat or Other Power Recovery
 - 2.3.6 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Turbo Expander Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Turbo Expander Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Turbo Expander Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global Turbo Expander Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Turbo Expander Production by Manufacturers (2019-2024)
- 3.2 Global Turbo Expander Production Value by Manufacturers (2019-2024)

- 3.3 Global Turbo Expander Average Price by Manufacturers (2019-2024)
- 3.4 Global Turbo Expander Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Turbo Expander Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Turbo Expander Manufacturers, Product Type & Application
- 3.7 Global Turbo Expander Manufacturers, Date of Enter into This Industry
- 3.8 Global Turbo Expander Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Cryostar

- 4.1.1 Cryostar Turbo Expander Company Information
- 4.1.2 Cryostar Turbo Expander Business Overview
- 4.1.3 Cryostar Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.1.4 Cryostar Product Portfolio
- 4.1.5 Cryostar Recent Developments

4.2 Atlas Copco

- 4.2.1 Atlas Copco Turbo Expander Company Information
- 4.2.2 Atlas Copco Turbo Expander Business Overview
- 4.2.3 Atlas Copco Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.2.4 Atlas Copco Product Portfolio
- 4.2.5 Atlas Copco Recent Developments

4.3 GE(Baker Hughes)

- 4.3.1 GE(Baker Hughes) Turbo Expander Company Information
- 4.3.2 GE(Baker Hughes) Turbo Expander Business Overview
- 4.3.3 GE(Baker Hughes) Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.3.4 GE(Baker Hughes) Product Portfolio
- 4.3.5 GE(Baker Hughes) Recent Developments

4.4 Air Products

- 4.4.1 Air Products Turbo Expander Company Information
- 4.4.2 Air Products Turbo Expander Business Overview
- 4.4.3 Air Products Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.4.4 Air Products Product Portfolio
- 4.4.5 Air Products Recent Developments

4.5 ACD

- 4.5.1 ACD Turbo Expander Company Information
- 4.5.2 ACD Turbo Expander Business Overview
- 4.5.3 ACD Turbo Expander Production, Value and Gross Margin (2019-2024)

- 4.5.4 ACD Product Portfolio
- 4.5.5 ACD Recent Developments
- 4.6 L.A. Turbine
 - 4.6.1 L.A. Turbine Turbo Expander Company Information
 - 4.6.2 L.A. Turbine Turbo Expander Business Overview
 - 4.6.3 L.A. Turbine Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.6.4 L.A. Turbine Product Portfolio
 - 4.6.5 L.A. Turbine Recent Developments
- 4.7 Turbogaz
 - 4.7.1 Turbogaz Turbo Expander Company Information
 - 4.7.2 Turbogaz Turbo Expander Business Overview
 - 4.7.3 Turbogaz Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.7.4 Turbogaz Product Portfolio
 - 4.7.5 Turbogaz Recent Developments
- 4.8 Samsung
 - 4.8.1 Samsung Turbo Expander Company Information
 - 4.8.2 Samsung Turbo Expander Business Overview
 - 4.8.3 Samsung Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.8.4 Samsung Product Portfolio
 - 4.8.5 Samsung Recent Developments
- 4.9 RMG
 - 4.9.1 RMG Turbo Expander Company Information
 - 4.9.2 RMG Turbo Expander Business Overview
 - 4.9.3 RMG Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.9.4 RMG Product Portfolio
 - 4.9.5 RMG Recent Developments
- 4.10 Hangyang Group
 - 4.10.1 Hangyang Group Turbo Expander Company Information
 - 4.10.2 Hangyang Group Turbo Expander Business Overview
 - 4.10.3 Hangyang Group Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.10.4 Hangyang Group Product Portfolio
 - 4.10.5 Hangyang Group Recent Developments
- 4.11 SASPG
 - 4.11.1 SASPG Turbo Expander Company Information
 - 4.11.2 SASPG Turbo Expander Business Overview
 - 4.11.3 SASPG Turbo Expander Production, Value and Gross Margin (2019-2024)
 - 4.11.4 SASPG Product Portfolio
 - 4.11.5 SASPG Recent Developments

4.12 HNEC

- 4.12.1 HNEC Turbo Expander Company Information
- 4.12.2 HNEC Turbo Expander Business Overview
- 4.12.3 HNEC Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.12.4 HNEC Product Portfolio
- 4.12.5 HNEC Recent Developments

4.13 Suzhou Xida

- 4.13.1 Suzhou Xida Turbo Expander Company Information
- 4.13.2 Suzhou Xida Turbo Expander Business Overview
- 4.13.3 Suzhou Xida Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.13.4 Suzhou Xida Product Portfolio
- 4.13.5 Suzhou Xida Recent Developments

4.14 Beifang Asp

- 4.14.1 Beifang Asp Turbo Expander Company Information
- 4.14.2 Beifang Asp Turbo Expander Business Overview
- 4.14.3 Beifang Asp Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.14.4 Beifang Asp Product Portfolio
- 4.14.5 Beifang Asp Recent Developments

4.15 Jianyang Ruite

- 4.15.1 Jianyang Ruite Turbo Expander Company Information
- 4.15.2 Jianyang Ruite Turbo Expander Business Overview
- 4.15.3 Jianyang Ruite Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.15.4 Jianyang Ruite Product Portfolio
- 4.15.5 Jianyang Ruite Recent Developments

4.16 Huayu

- 4.16.1 Huayu Turbo Expander Company Information
- 4.16.2 Huayu Turbo Expander Business Overview
- 4.16.3 Huayu Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.16.4 Huayu Product Portfolio
- 4.16.5 Huayu Recent Developments

4.17 Air Liquide

- 4.17.1 Air Liquide Turbo Expander Company Information
- 4.17.2 Air Liquide Turbo Expander Business Overview
- 4.17.3 Air Liquide Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.17.4 Air Liquide Product Portfolio
- 4.17.5 Air Liquide Recent Developments

4.18 Hanwha

- 4.18.1 Hanwha Turbo Expander Company Information

- 4.18.2 Hanwha Turbo Expander Business Overview
- 4.18.3 Hanwha Turbo Expander Production, Value and Gross Margin (2019-2024)
- 4.18.4 Hanwha Product Portfolio
- 4.18.5 Hanwha Recent Developments

5 GLOBAL TURBO EXPANDER PRODUCTION BY REGION

- 5.1 Global Turbo Expander Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Turbo Expander Production by Region: 2019-2030
 - 5.2.1 Global Turbo Expander Production by Region: 2019-2024
 - 5.2.2 Global Turbo Expander Production Forecast by Region (2025-2030)
- 5.3 Global Turbo Expander Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global Turbo Expander Production Value by Region: 2019-2030
 - 5.4.1 Global Turbo Expander Production Value by Region: 2019-2024
 - 5.4.2 Global Turbo Expander Production Value Forecast by Region (2025-2030)
- 5.5 Global Turbo Expander Market Price Analysis by Region (2019-2024)
- 5.6 Global Turbo Expander Production and Value, YOY Growth
 - 5.6.1 North America Turbo Expander Production Value Estimates and Forecasts (2019-2030)
 - 5.6.2 Europe Turbo Expander Production Value Estimates and Forecasts (2019-2030)
 - 5.6.3 China Turbo Expander Production Value Estimates and Forecasts (2019-2030)
 - 5.6.4 Japan Turbo Expander Production Value Estimates and Forecasts (2019-2030)
 - 5.6.5 South Korea Turbo Expander Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL TURBO EXPANDER CONSUMPTION BY REGION

- 6.1 Global Turbo Expander Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 6.2 Global Turbo Expander Consumption by Region (2019-2030)
 - 6.2.1 Global Turbo Expander Consumption by Region: 2019-2030
 - 6.2.2 Global Turbo Expander Forecasted Consumption by Region (2025-2030)
- 6.3 North America
 - 6.3.1 North America Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 6.3.2 North America Turbo Expander Consumption by Country (2019-2030)
 - 6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Turbo Expander Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Turbo Expander Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Turbo Expander Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Turbo Expander Production by Type (2019-2030)

7.1.1 Global Turbo Expander Production by Type (2019-2030) & (Units)

7.1.2 Global Turbo Expander Production Market Share by Type (2019-2030)

7.2 Global Turbo Expander Production Value by Type (2019-2030)

7.2.1 Global Turbo Expander Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global Turbo Expander Production Value Market Share by Type (2019-2030)

7.3 Global Turbo Expander Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global Turbo Expander Production by Application (2019-2030)

8.1.1 Global Turbo Expander Production by Application (2019-2030) & (Units)

8.1.2 Global Turbo Expander Production by Application (2019-2030) & (Units)

8.2 Global Turbo Expander Production Value by Application (2019-2030)

8.2.1 Global Turbo Expander Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global Turbo Expander Production Value Market Share by Application (2019-2030)

8.3 Global Turbo Expander Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Turbo Expander Value Chain Analysis

9.1.1 Turbo Expander Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Turbo Expander Production Mode & Process

9.2 Turbo Expander Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Turbo Expander Distributors

9.2.3 Turbo Expander Customers

10 GLOBAL TURBO EXPANDER ANALYZING MARKET DYNAMICS

10.1 Turbo Expander Industry Trends

10.2 Turbo Expander Industry Drivers

10.3 Turbo Expander Industry Opportunities and Challenges

10.4 Turbo Expander Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Table 4. Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global Turbo Expander Production by Manufacturers (Units) & (2019-2024)

Table 6. Global Turbo Expander Production Market Share by Manufacturers

Table 7. Global Turbo Expander Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 8. Global Turbo Expander Production Value Market Share by Manufacturers (2019-2024)

Table 9. Global Turbo Expander Average Price (K USD/Unit) of Key Manufacturers (2019-2024)

Table 10. Global Turbo Expander Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global Turbo Expander Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Turbo Expander by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Cryostar Turbo Expander Company Information

Table 16. Cryostar Business Overview

Table 17. Cryostar Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 18. Cryostar Product Portfolio

Table 19. Cryostar Recent Developments

Table 20. Atlas Copco Turbo Expander Company Information

Table 21. Atlas Copco Business Overview

Table 22. Atlas Copco Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 23. Atlas Copco Product Portfolio

Table 24. Atlas Copco Recent Developments

Table 25. GE(Baker Hughes) Turbo Expander Company Information

Table 26. GE(Baker Hughes) Business Overview

Table 27. GE(Baker Hughes) Turbo Expander Production (Units), Value (US\$ Million),

Price (K USD/Unit) and Gross Margin (2019-2024)

Table 28. GE(Baker Hughes) Product Portfolio

Table 29. GE(Baker Hughes) Recent Developments

Table 30. Air Products Turbo Expander Company Information

Table 31. Air Products Business Overview

Table 32. Air Products Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 33. Air Products Product Portfolio

Table 34. Air Products Recent Developments

Table 35. ACD Turbo Expander Company Information

Table 36. ACD Business Overview

Table 37. ACD Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 38. ACD Product Portfolio

Table 39. ACD Recent Developments

Table 40. L.A. Turbine Turbo Expander Company Information

Table 41. L.A. Turbine Business Overview

Table 42. L.A. Turbine Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 43. L.A. Turbine Product Portfolio

Table 44. L.A. Turbine Recent Developments

Table 45. Turbogaz Turbo Expander Company Information

Table 46. Turbogaz Business Overview

Table 47. Turbogaz Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 48. Turbogaz Product Portfolio

Table 49. Turbogaz Recent Developments

Table 50. Samsung Turbo Expander Company Information

Table 51. Samsung Business Overview

Table 52. Samsung Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 53. Samsung Product Portfolio

Table 54. Samsung Recent Developments

Table 55. RMG Turbo Expander Company Information

Table 56. RMG Business Overview

Table 57. RMG Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 58. RMG Product Portfolio

Table 59. RMG Recent Developments

Table 60. Hangyang Group Turbo Expander Company Information

Table 61. Hangyang Group Business Overview

Table 62. Hangyang Group Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 63. Hangyang Group Product Portfolio

Table 64. Hangyang Group Recent Developments

Table 65. SASPG Turbo Expander Company Information

Table 66. SASPG Business Overview

Table 67. SASPG Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 68. SASPG Product Portfolio

Table 69. SASPG Recent Developments

Table 70. HNEC Turbo Expander Company Information

Table 71. HNEC Business Overview

Table 72. HNEC Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 73. HNEC Product Portfolio

Table 74. HNEC Recent Developments

Table 75. Suzhou Xida Turbo Expander Company Information

Table 76. Suzhou Xida Business Overview

Table 77. Suzhou Xida Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 78. Suzhou Xida Product Portfolio

Table 79. Suzhou Xida Recent Developments

Table 80. Beifang Asp Turbo Expander Company Information

Table 81. Beifang Asp Business Overview

Table 82. Beifang Asp Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 83. Beifang Asp Product Portfolio

Table 84. Beifang Asp Recent Developments

Table 85. Beifang Asp Turbo Expander Company Information

Table 86. Jianyang Ruite Business Overview

Table 87. Jianyang Ruite Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 88. Jianyang Ruite Product Portfolio

Table 89. Jianyang Ruite Recent Developments

Table 90. Huayu Turbo Expander Company Information

Table 91. Huayu Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

- Table 92. Huayu Product Portfolio
- Table 93. Huayu Recent Developments
- Table 94. Air Liquide Turbo Expander Company Information
- Table 95. Air Liquide Business Overview
- Table 96. Air Liquide Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)
- Table 97. Air Liquide Product Portfolio
- Table 98. Air Liquide Recent Developments
- Table 99. Hanwha Turbo Expander Company Information
- Table 100. Hanwha Business Overview
- Table 101. Hanwha Turbo Expander Production (Units), Value (US\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)
- Table 102. Hanwha Product Portfolio
- Table 103. Hanwha Recent Developments
- Table 104. Global Turbo Expander Production Comparison by Region: 2019 VS 2023 VS 2030 (Units)
- Table 105. Global Turbo Expander Production by Region (2019-2024) & (Units)
- Table 106. Global Turbo Expander Production Market Share by Region (2019-2024)
- Table 107. Global Turbo Expander Production Forecast by Region (2025-2030) & (Units)
- Table 108. Global Turbo Expander Production Market Share Forecast by Region (2025-2030)
- Table 109. Global Turbo Expander Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 110. Global Turbo Expander Production Value by Region (2019-2024) & (US\$ Million)
- Table 111. Global Turbo Expander Production Value Market Share by Region (2019-2024)
- Table 112. Global Turbo Expander Production Value Forecast by Region (2025-2030) & (US\$ Million)
- Table 113. Global Turbo Expander Production Value Market Share Forecast by Region (2025-2030)
- Table 114. Global Turbo Expander Market Average Price (K USD/Unit) by Region (2019-2024)
- Table 115. Global Turbo Expander Consumption Comparison by Region: 2019 VS 2023 VS 2030 (Units)
- Table 116. Global Turbo Expander Consumption by Region (2019-2024) & (Units)
- Table 117. Global Turbo Expander Consumption Market Share by Region (2019-2024)
- Table 118. Global Turbo Expander Forecasted Consumption by Region (2025-2030) &

(Units)

Table 119. Global Turbo Expander Forecasted Consumption Market Share by Region (2025-2030)

Table 120. North America Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Units)

Table 121. North America Turbo Expander Consumption by Country (2019-2024) & (Units)

Table 122. North America Turbo Expander Consumption by Country (2025-2030) & (Units)

Table 123. Europe Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Units)

Table 124. Europe Turbo Expander Consumption by Country (2019-2024) & (Units)

Table 125. Europe Turbo Expander Consumption by Country (2025-2030) & (Units)

Table 126. Asia Pacific Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Units)

Table 127. Asia Pacific Turbo Expander Consumption by Country (2019-2024) & (Units)

Table 128. Asia Pacific Turbo Expander Consumption by Country (2025-2030) & (Units)

Table 129. Latin America, Middle East & Africa Turbo Expander Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Units)

Table 130. Latin America, Middle East & Africa Turbo Expander Consumption by Country (2019-2024) & (Units)

Table 131. Latin America, Middle East & Africa Turbo Expander Consumption by Country (2025-2030) & (Units)

Table 132. Global Turbo Expander Production by Type (2019-2024) & (Units)

Table 133. Global Turbo Expander Production by Type (2025-2030) & (Units)

Table 134. Global Turbo Expander Production Market Share by Type (2019-2024)

Table 135. Global Turbo Expander Production Market Share by Type (2025-2030)

Table 136. Global Turbo Expander Production Value by Type (2019-2024) & (US\$ Million)

Table 137. Global Turbo Expander Production Value by Type (2025-2030) & (US\$ Million)

Table 138. Global Turbo Expander Production Value Market Share by Type (2019-2024)

Table 139. Global Turbo Expander Production Value Market Share by Type (2025-2030)

Table 140. Global Turbo Expander Price by Type (2019-2024) & (K USD/Unit)

Table 141. Global Turbo Expander Price by Type (2025-2030) & (K USD/Unit)

Table 142. Global Turbo Expander Production by Application (2019-2024) & (Units)

Table 143. Global Turbo Expander Production by Application (2025-2030) & (Units)

- Table 144. Global Turbo Expander Production Market Share by Application (2019-2024)
- Table 145. Global Turbo Expander Production Market Share by Application (2025-2030)
- Table 146. Global Turbo Expander Production Value by Application (2019-2024) & (US\$ Million)
- Table 147. Global Turbo Expander Production Value by Application (2025-2030) & (US\$ Million)
- Table 148. Global Turbo Expander Production Value Market Share by Application (2019-2024)
- Table 149. Global Turbo Expander Production Value Market Share by Application (2025-2030)
- Table 150. Global Turbo Expander Price by Application (2019-2024) & (K USD/Unit)
- Table 151. Global Turbo Expander Price by Application (2025-2030) & (K USD/Unit)
- Table 152. Key Raw Materials
- Table 153. Raw Materials Key Suppliers
- Table 154. Turbo Expander Distributors List
- Table 155. Turbo Expander Customers List
- Table 156. Turbo Expander Industry Trends
- Table 157. Turbo Expander Industry Drivers
- Table 158. Turbo Expander Industry Restraints
- Table 159. Authors List of This Report

List Of Figures

LIST OF FIGURES

Figure 1. Research Methodology

Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. Turbo Expander Product Picture

Figure 5. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Figure 6. Radial-Axial Turbo Expander Product Picture

Figure 7. Radial Turbo Expander Product Picture

Figure 8. Axial Turbo Expander Product Picture

Figure 9. Air Separation Product Picture

Figure 10. Liquefied Natural Gas(LNG) Product Picture

Figure 11. Petrochemical Processing Product Picture

Figure 12. Waste Heat or Other Power Recovery Product Picture

Figure 13. Others Product Picture

Figure 14. Global Turbo Expander Production Value (US\$ Million), 2019 VS 2023 VS 2030

Figure 15. Global Turbo Expander Production Value (2019-2030) & (US\$ Million)

Figure 16. Global Turbo Expander Production Capacity (2019-2030) & (Units)

Figure 17. Global Turbo Expander Production (2019-2030) & (Units)

Figure 18. Global Turbo Expander Average Price (K USD/Unit) & (2019-2030)

Figure 19. Global Turbo Expander Key Manufacturers, Manufacturing Sites & Headquarters

Figure 20. Global Turbo Expander Manufacturers, Date of Enter into This Industry

Figure 21. Global Top 5 and 10 Turbo Expander Players Market Share by Production Value in 2023

Figure 22. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 23. Global Turbo Expander Production Comparison by Region: 2019 VS 2023 VS 2030 (Units)

Figure 24. Global Turbo Expander Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 25. Global Turbo Expander Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 26. Global Turbo Expander Production Value Market Share by Region: 2019 VS 2023 VS 2030

Figure 27. North America Turbo Expander Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 28. Europe Turbo Expander Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 29. China Turbo Expander Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 30. Japan Turbo Expander Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 31. South Korea Turbo Expander Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 32. Global Turbo Expander Consumption Comparison by Region: 2019 VS 2023 VS 2030 (Units)

Figure 33. Global Turbo Expander Consumption Market Share by Region: 2019 VS 2023 VS 2030

Figure 34. North America Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 35. North America Turbo Expander Consumption Market Share by Country (2019-2030)

Figure 36. United States Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 37. Canada Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 38. Europe Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 39. Europe Turbo Expander Consumption Market Share by Country (2019-2030)

Figure 40. Germany Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 41. France Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 42. U.K. Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 43. Italy Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 44. Netherlands Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 45. Asia Pacific Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 46. Asia Pacific Turbo Expander Consumption Market Share by Country (2019-2030)

Figure 47. China Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 48. Japan Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

Figure 49. South Korea Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)

- Figure 50. China Taiwan Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 51. Southeast Asia Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 52. India Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 53. Australia Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 54. Latin America, Middle East & Africa Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 55. Latin America, Middle East & Africa Turbo Expander Consumption Market Share by Country (2019-2030)
- Figure 56. Mexico Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 57. Brazil Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 58. Turkey Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 59. GCC Countries Turbo Expander Consumption and Growth Rate (2019-2030) & (Units)
- Figure 60. Global Turbo Expander Production Market Share by Type (2019-2030)
- Figure 61. Global Turbo Expander Production Value Market Share by Type (2019-2030)
- Figure 62. Global Turbo Expander Price (K USD/Unit) by Type (2019-2030)
- Figure 63. Global Turbo Expander Production Market Share by Application (2019-2030)
- Figure 64. Global Turbo Expander Production Value Market Share by Application (2019-2030)
- Figure 65. Global Turbo Expander Price (K USD/Unit) by Application (2019-2030)
- Figure 66. Turbo Expander Value Chain
- Figure 67. Turbo Expander Production Mode & Process
- Figure 68. Direct Comparison with Distribution Share
- Figure 69. Distributors Profiles
- Figure 70. Turbo Expander Industry Opportunities and Challenges

I would like to order

Product name: Turbo Expander Industry Research Report 2024

Product link: <https://marketpublishers.com/r/T1CC127E0928EN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/T1CC127E0928EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970