

Global Diesel Generator Market Size study & Forecast, by Power Rating (Low Power, Medium Power, High Power), By Application (Residential, Commercial, Industrial), and Regional Analysis, 2022-2029

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Abstracts

Global Diesel Generator Market is valued at approximately USD 18.74 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 8.5% over the forecast period 2022-2029. A diesel generator is a machine that converts mechanical energy into electrical energy using a diesel engine and an alternator. It is commonly used as a backup power source in situations where electricity from the grid is not available, such as in remote locations or during power outages. The diesel engine in a diesel generator uses diesel fuel to create combustion, which drives the engine's pistons, in turn powering the alternator. The alternator then converts the mechanical energy from the engine into electrical energy that can be used to power various electrical devices and appliances. The market demand is primarily driven by the factors such as growing demand for reliable backup power, coupled with the Increasing industrialization and urbanization.

In addition, the diesel generator market is also driven by technological advancements and innovations, such as the development of more fuel-efficient and eco-friendly diesel engines, which can reduce operating costs and environmental impact that is acting as major driving factors for market growth. According to Technology For You, the market for diesel engines is anticipated to increase by USD 37.45 billion between 2021 and 2026, expanding at a CAGR of 3.16%, thus, in turn, these factors are expected to escalate the demand for diesel generators in the global market. Furthermore, Increasing industrialization and urbanization, as well as technological advancements and innovation are presenting lucrative opportunities for market growth over the forthcoming years. However, the Emergence of alternative power sources is restricting the market

growth over the forecast period of 2022-2029.

The key regions considered for the Global Diesel Generator Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the increased development of infrastructure and manufacturing facilities, widening electricity supply-demand gaps, and quickening growth of the commercial office. Whereas, Asia Pacific is also expected to grow at the highest growth rate over the forecasting period. Factors such as demand for dependable backup power solutions have increased as a result of the steadily expanding infrastructure of data centres and other commercial markets as well as the growing vulnerability of the power grid to weather-based disruptions burgeoning the market growth in the forecasting years.

Major market players included in this report are:

AKSA Power Generation Company Ltd.

Atlas Copco Group

Caterpillar Inc.

Cummins Inc.

Doosan Portable Power

Generac Power System Inc.

Honda India Power Products Ltd.

Kohler Co.

Rolls-Royce Holdings plc

Wartsila Corporation

Recent Developments in the Market:

In January 2023, Rolls-Royce announced the successful testing of a 12-cylinder gas variant of the mtu Series 4000 L64 engine using 100% hydrogen fuel. The testing conducted by the Power Systems business unit produced highly encouraging outcomes in terms of efficiency, performance, emissions, and combustion. For the commercial release of hydrogen-based goods to meet customer demand for more ecologically friendly energy, these experiments mark yet another essential step.

In December 2022, Atlas Copco has finalised the acquisition of Suzhou Since Gas System Co., Ltd.'s assets, a Chinese maker of on-site gas generation equipment. The acquired company will join the Compressor Technology Business Area's Industrial Air division.

In March 2022, Honda India Power Products Limited (HIPP), a market leader in the Power Products category for the past 36 years and one of India's top manufacturers of power products, today announced its debut into the Indian marine outboard industry

with a line of 4-stroke outboard motors. It aims to offer boat operators a high-performance, reliable, fuel-efficient, and environmentally friendly choice for superior operational performance on the sea.

Global Diesel Generator Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Power Rating, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Power Rating:

Low Power

Medium Power

High Power

By Application:

Residential

Commercial

Industrial

By Region:

North America

U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
ROLA
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD billion)
 - 1.2.1. Diesel Generator Market, by Region, 2019-2029 (USD billion)
 - 1.2.2. Diesel Generator Market, by Power Rating, 2019-2029 (USD billion)
 - 1.2.3. Diesel Generator Market, by Application, 2019-2029 (USD billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL DIESEL GENERATOR MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL DIESEL GENERATOR MARKET DYNAMICS

- 3.1. Diesel Generator Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing demand for reliable backup power.
 - 3.1.1.2. The Increasing industrialization and urbanization.
 - 3.1.1.3. Technological advancements and innovations.
 - 3.1.2. Market Challenges
 - 3.1.2.1. Emergence of alternative power sources.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing industrialization and urbanization.
 - 3.1.3.2. Technological advancements and innovation.

CHAPTER 4. GLOBAL DIESEL GENERATOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL DIESEL GENERATOR MARKET, BY POWER RATING

- 6.1. Market Snapshot
- 6.2. Global Diesel Generator Market by Power Rating, Performance - Potential Analysis
- 6.3. Global Diesel Generator Market Estimates & Forecasts by Power Rating 2019-2029 (USD billion)
- 6.4. Diesel Generator Market, Sub Segment Analysis
 - 6.4.1. Low Power
 - 6.4.2. Medium Power
 - 6.4.3. High Power

CHAPTER 7. GLOBAL DIESEL GENERATOR MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Diesel Generator Market by Application, Performance - Potential Analysis
- 7.3. Global Diesel Generator Market Estimates & Forecasts by Application 2019-2029 (USD billion)
- 7.4. Diesel Generator Market, Sub Segment Analysis
 - 7.4.1. Residential

7.4.2. Commercial

7.4.3. Industrial

CHAPTER 8. GLOBAL DIESEL GENERATOR MARKET, REGIONAL ANALYSIS

8.1. Diesel Generator Market, Regional Market Snapshot

8.2. North America Diesel Generator Market

8.2.1. U.S. Diesel Generator Market

8.2.1.1. Power Rating breakdown estimates & forecasts, 2019-2029

8.2.1.2. Application breakdown estimates & forecasts, 2019-2029

8.2.2. Canada Diesel Generator Market

8.3. Europe Diesel Generator Market Snapshot

8.3.1. U.K. Diesel Generator Market

8.3.2. Germany Diesel Generator Market

8.3.3. France Diesel Generator Market

8.3.4. Spain Diesel Generator Market

8.3.5. Italy Diesel Generator Market

8.3.6. Rest of Europe Diesel Generator Market

8.4. Asia-Pacific Diesel Generator Market Snapshot

8.4.1. China Diesel Generator Market

8.4.2. India Diesel Generator Market

8.4.3. Japan Diesel Generator Market

8.4.4. Australia Diesel Generator Market

8.4.5. South Korea Diesel Generator Market

8.4.6. Rest of Asia Pacific Diesel Generator Market

8.5. Latin America Diesel Generator Market Snapshot

8.5.1. Brazil Diesel Generator Market

8.5.2. Mexico Diesel Generator Market

8.5.3. Rest of Latin America Diesel Generator Market

8.6. Rest of The World Diesel Generator Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. AKSA Power Generation Company Ltd.

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

- 9.2.1.4. Product Summary
- 9.2.1.5. Recent Developments
- 9.2.2. Atlas Copco Group
- 9.2.3. Caterpillar Inc.
- 9.2.4. Cummins Inc.
- 9.2.5. Doosan Portable Power
- 9.2.6. Generac Power System Inc.
- 9.2.7. Honda India Power Products Ltd.
- 9.2.8. Kohler Co.
- 9.2.9. Rolls-Royce Holdings plc
- 9.2.10. Wartsila Corporation

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Diesel Generator Market, report scope

TABLE 2. Global Diesel Generator Market estimates & forecasts by Region 2019-2029 (USD billion)

TABLE 3. Global Diesel Generator Market estimates & forecasts by Power Rating 2019-2029 (USD billion)

TABLE 4. Global Diesel Generator Market estimates & forecasts by Application 2019-2029 (USD billion)

TABLE 5. Global Diesel Generator Market by segment, estimates & forecasts, 2019-2029 (USD billion)

TABLE 6. Global Diesel Generator Market by region, estimates & forecasts, 2019-2029 (USD billion)

TABLE 7. Global Diesel Generator Market by segment, estimates & forecasts, 2019-2029 (USD billion)

TABLE 8. Global Diesel Generator Market by region, estimates & forecasts, 2019-2029 (USD billion)

TABLE 9. Global Diesel Generator Market by segment, estimates & forecasts, 2019-2029 (USD billion)

TABLE 10. Global Diesel Generator Market by region, estimates & forecasts, 2019-2029 (USD billion)

TABLE 11. Global Diesel Generator Market by segment, estimates & forecasts, 2019-2029 (USD billion)

TABLE 12. Global Diesel Generator Market by region, estimates & forecasts, 2019-2029 (USD billion)

TABLE 13. Global Diesel Generator Market by segment, estimates & forecasts, 2019-2029 (USD billion)

TABLE 14. Global Diesel Generator Market by region, estimates & forecasts, 2019-2029 (USD billion)

TABLE 15. U.S. Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 16. U.S. Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 17. U.S. Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 18. Canada Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 19. Canada Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 20. Canada Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 21. UK Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 22. UK Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 23. UK Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 24. Germany Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 25. Germany Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 26. Germany Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 27. France Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 28. France Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 29. France Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 30. Italy Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 31. Italy Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 32. Italy Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 33. Spain Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 34. Spain Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 35. Spain Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 36. RoE Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 37. RoE Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 38. RoE Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 39. China Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 40. China Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 41. China Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 42. India Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 43. India Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 44. India Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 45. Japan Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 46. Japan Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 47. Japan Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 48. South Korea Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 49. South Korea Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 50. South Korea Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 51. Australia Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 52. Australia Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 53. Australia Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 54. RoAPAC Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 55. RoAPAC Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 56. RoAPAC Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 57. Brazil Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 58. Brazil Diesel Generator Market estimates & forecasts by segment

2019-2029 (USD billion)

TABLE 59. Brazil Diesel Generator Market estimates & forecasts by segment

2019-2029 (USD billion)

TABLE 60. Mexico Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 61. Mexico Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 62. Mexico Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 63. RoLA Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 64. RoLA Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 65. RoLA Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 66. Row Diesel Generator Market estimates & forecasts, 2019-2029 (USD billion)

TABLE 67. Row Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 68. Row Diesel Generator Market estimates & forecasts by segment 2019-2029 (USD billion)

TABLE 69. List of secondary sources, used in the study of global Diesel Generator Market

TABLE 70. List of primary sources, used in the study of global Diesel Generator Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Diesel Generator Market, research methodology
 - FIG 2. Global Diesel Generator Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Diesel Generator Market, key trends 2021
 - FIG 5. Global Diesel Generator Market, growth prospects 2022-2029
 - FIG 6. Global Diesel Generator Market, porters 5 force model
 - FIG 7. Global Diesel Generator Market, pest analysis
 - FIG 8. Global Diesel Generator Market, value chain analysis
 - FIG 9. Global Diesel Generator Market by segment, 2019 & 2029 (USD billion)
 - FIG 10. Global Diesel Generator Market by segment, 2019 & 2029 (USD billion)
 - FIG 11. Global Diesel Generator Market by segment, 2019 & 2029 (USD billion)
 - FIG 12. Global Diesel Generator Market by segment, 2019 & 2029 (USD billion)
 - FIG 13. Global Diesel Generator Market by segment, 2019 & 2029 (USD billion)
 - FIG 14. Global Diesel Generator Market, regional snapshot 2019 & 2029
 - FIG 15. North America Diesel Generator Market 2019 & 2029 (USD billion)
 - FIG 16. Europe Diesel Generator Market 2019 & 2029 (USD billion)
 - FIG 17. Asia Pacific Diesel Generator Market 2019 & 2029 (USD billion)
 - FIG 18. Latin America Diesel Generator Market 2019 & 2029 (USD billion)
 - FIG 19. Global Diesel Generator Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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