

Diesel Generator Market Size, Share & Trends Analysis By Power Rating (Low Power, Medium Power, High Power), By Application (Residential, Commercial, Industrial), And Segment Forecasts, 2022 - 2030

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Abstracts

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Diesel Generator Market Growth & Trends

The global diesel generator market size is expected to reach USD 38.53 billion by 2030, escalating at a compound annual growth rate(CAGR) of 8.5% during the forecast period, according to a new report by Grand View Research, Inc. Proliferating demand for emergency power backup and stand-alone power generation systems across several end-use industries including manufacturing & construction, telecom, chemical, marine, oil & gas, healthcare, and others are likely to strengthen the market growth during the forecast period.

Rapid industrialization, infrastructure development, and continuous population growth are among the major factors driving global power consumption. Rising penetration of electronic device load across various commercial scale structures such as data centers has resulted in the higher deployment of diesel generators in order to prevent disruption of daily business activities and provide uninterrupted electricity supply during sudden power outages.

Diesel generator set manufacturers adhere to several regulations and compliances regarding the safety, design, and installation of the system. For instance, the Gen-set should be designed in facilities certified to ISO 9001 and be manufactured in facilities

certified to ISO 9001 or ISO 9002, with the prototype test program authenticating the performance reliability of the gen-set design. Certifications from leading organizations such as the U.S. Environmental Protection Agency (EPA), CSA group, Underwriters Laboratories, and International Building Code are expected to enhance the product marketability over the forecast period.

Industry participants are continuously focusing on finding the next-generation diesel generators due to strict regulations. These generators have automatic voltage regulators and built-in electronic governors that automatically control the generator engine speed as needed, thereby making the diesel gen-sets more energy-efficient. Additional features such as remote monitoring of the generator set are expected to boost product sustainability during the forecast period.

Diesel Generator Market Report Highlights

Commercial segment of the market is anticipated to propel at a CAGR of 9.0% from 2022 to 2030 owing to wide application base including data centers, educational institutions, government centers, and other such facilities.

Medium power generator segment occupied a significant revenue share in 2021 owing to its application across several industries including small-scale industries, the telecom sector, petrol stations, and commercial complexes.

The market in the Asia Pacific is expected to grow at the fastest CAGR owing to rising power demand from developing economies such as China and India.

AKSA power generation company, Atlas Copco AB, Caterpillar, Cummins Inc., Doosan Portable Power, Generac Power System Inc., Honda India Power Products Ltd., Kohler Co., Rolls-Royce plc, are some of the prominent players in the diesel generator market.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope & Assumption
- 1.3. Information Procurement
 - 1.3.1. Purchased Database
 - 1.3.2. GVR's Internal Database
 - 1.3.3. Secondary Sources & Third-Party Perspectives
 - 1.3.4. Primary Research
- 1.4. Information Analysis
 - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segmental Outlook
- 2.3. Competitive Insights

CHAPTER 3. DIESEL GENERATOR MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Segmentation & Scope
- 3.2. Market Lineage Outlook
- 3.3. Penetration and Growth Prospect Mapping
- 3.4. Industry Value Chain Analysis
- 3.5. Technology Overview
- 3.6. Regulatory Framework
- 3.7. Market Dynamics
 - 3.7.1. Market Driver Analysis
 - 3.7.1.1. Demand for emergency power back-up across end-use sectors
 - 3.7.2. Market Restraint Analysis
 - 3.7.2.1. Stringent government regulations regarding clean fuel usage
 - 3.7.3. Industry Challenges
- 3.8. Business Environment Analysis: Diesel Generator Market
 - 3.8.1. Industry Analysis - Porter's Five Forces Analysis
 - 3.8.1.1. Supplier Power

- 3.8.1.2. Buyer power
- 3.8.1.3. Threat of substitutes
- 3.8.1.4. Threat of new entrants
- 3.8.1.5. Competitive rivalry
- 3.8.2. PESTEL Analysis
 - 3.8.2.1. Political Landscape
 - 3.8.2.2. Economic Landscape
 - 3.8.2.3. Social Landscape
 - 3.8.2.4. Technological Landscape
 - 3.8.2.5. Environmental Landscape
 - 3.8.2.6. Legal Landscape

CHAPTER 4. DIESEL GENERATOR MARKET POWER RATING OUTLOOK

- 4.1. Market Size Estimates & Forecasts and Trend Analysis, 2019 - 2030 (Revenue, USD Million)
- 4.2. Low Power Generator
 - 4.2.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)
- 4.3. Medium Power Generator
 - 4.3.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)
- 4.4. High Power Generator
 - 4.4.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)

CHAPTER 5. DIESEL GENERATOR MARKET APPLICATION OUTLOOK

- 5.1. Market Size Estimates & Forecasts and Trend Analysis, 2019 - 2030 (Revenue, USD Million)
- 5.2. Industrial
 - 5.2.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)
- 5.3. Commercial
 - 5.3.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)
- 5.4. Residential
 - 5.4.1. Market estimates and forecasts by region, 2019 - 2030 (Revenue, USD Million)

CHAPTER 6. DIESEL GENERATOR MARKET REGIONAL OUTLOOK

- 6.1. Diesel Generator Market, By Region, 2021 & 2030
- 6.2. North America
 - 6.2.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD

Million)

6.2.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.2.3. U.S.

6.2.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.2.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.2.4. Canada

6.2.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.2.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.2.5. Mexico

6.2.5.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.2.5.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.3. Europe

6.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.3.3. U.K.

6.3.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.3.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.3.4. Germany

6.3.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.3.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.3.5. Russia

6.3.5.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.3.5.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.3.6. France

6.3.6.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.3.6.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.4. Asia Pacific

6.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.4.3. China

6.4.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.4.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.4.4. Japan

6.4.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.4.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.4.5. India

6.4.5.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.4.5.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.4.6. South Korea

6.4.6.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.4.6.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.5. Central & South America

6.5.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.5.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.5.3. Brazil

6.5.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.5.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.5.4. Argentina

6.5.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.5.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.6. Middle East & Africa

6.6.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.6.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.6.3. Saudi Arabia

6.6.3.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.6.3.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

6.6.4. UAE

6.6.4.1. Market estimates and forecasts, by Power Rating, 2019 - 2030 (Revenue, USD Million)

6.6.4.2. Market estimates and forecasts, by Application, 2019 - 2030 (Revenue, USD Million)

CHAPTER 7. COMPETITIVE ANALYSIS

7.1. Key Global Players & Recent Developments & Their Impact On The Industry

7.2. Vendor Landscape

7.3. Company Market Position Analysis

CHAPTER 8. COMPANY PROFILES

8.1. Atlas Copoco AB

8.1.1. Company Overview

8.1.2. Financial performance

8.1.3. Product benchmarking

8.1.4. Strategic Initiatives

8.2. Caterpillar Inc.

8.2.1. Company Overview

8.2.2. Financial Performance

8.2.3. Product Benchmarking

8.2.4. Strategic Initiatives

8.3. Cummins Inc.

- 8.3.1. Company Overview
- 8.3.2. Financial Performance
- 8.3.3. Product Benchmarking
- 8.3.4. Strategic Initiatives

8.4. Generac Holdings Inc.

- 8.4.1. Company Overview
- 8.4.2. Financial Performance
- 8.4.3. Product Benchmarking
- 8.4.4. Strategic Initiatives

8.5. Honda Siel Power Products Ltd

- 8.5.1. Company Overview
- 8.5.2. Financial Performance
- 8.5.3. Product Benchmarking
- 8.5.4. Strategic Initiatives

8.6. AKSA Power Generation

- 8.6.1. Company Overview
- 8.6.2. Financial Performance
- 8.6.3. Product Benchmarking
- 8.6.4. Strategic Initiatives

8.7. Briggs & Stratton Corporation

- 8.7.1. Company Overview
- 8.7.2. Financial Performance
- 8.7.3. Product Benchmarking
- 8.7.4. Strategic Initiatives

8.8. Cooper Corporation

- 8.8.1. Company Overview
- 8.8.2. Financial Performance
- 8.8.3. Product Benchmarking
- 8.8.4. Strategic Initiatives

8.9. Kohler Co.

- 8.9.1. Company Overview
- 8.9.2. Financial Performance
- 8.9.3. Product Benchmarking
- 8.9.4. Strategic Initiatives

8.10. Mitsubishi Heavy Industries Ltd

- 8.10.1. Company Overview
- 8.10.2. Financial Performance
- 8.10.3. Product Benchmarking

- 8.10.4. Strategic Initiatives
- 8.11. MTU Onsite Energy
 - 8.11.1. Company Overview
 - 8.11.2. Financial Performance
 - 8.11.3. Product Benchmarking
 - 8.11.4. Strategic Initiatives
- 8.12. Wartsila Corporation
 - 8.12.1. Company Overview
 - 8.12.2. Financial Performance
 - 8.12.3. Product Benchmarking
 - 8.12.4. Strategic Initiatives
- 8.13. Doosan Corporation
 - 8.13.1. Company Overview
 - 8.13.2. Financial Performance
 - 8.13.3. Product Benchmarking
 - 8.13.4. Strategic Initiatives
- 8.14. Powerica
 - 8.14.1. Company Overview
 - 8.14.2. Financial Performance
 - 8.14.3. Product Benchmarking
 - 8.14.4. Strategic Initiatives
- 8.15. Ashok Leyland
 - 8.15.1. Company Overview
 - 8.15.2. Financial Performance
 - 8.15.3. Product Benchmarking
 - 8.15.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1. Global Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 2. Global Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (USD Million)

Table 3. Global Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 4. North America Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 5. North America Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 6. North America Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 7. U.S. Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 8. U.S. Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 9. U.S. Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 10. Canada Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 11. Canada Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 12. Canada Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 13. Mexico Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 14. Mexico Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 15. Mexico Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 16. Europe Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 17. Europe Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 18. Europe Diesel Generator market estimates and forecast, by Application, 2019

- 2030, (USD Million)

Table 19. U.K. Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 20. U.K. Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 21. U.K. Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 22. Germany Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 23. Germany Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 24. Germany Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 25. Russia Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 26. Russia Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 27. Russia Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 28. France Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 29. France Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 30. France Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 31. Asia Pacific Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 32. Asia Pacific Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 33. Asia Pacific Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 34. China Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 35. China Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 36. China Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 37. Japan Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 38. Japan Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 39. Japan Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 40. India Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 41. India Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 42. India Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 43. South Korea Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 44. South Korea Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 45. South Korea Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 46. Central & South America Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 47. Central & South America Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 48. Central & South America Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 49. Brazil Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 50. Brazil Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 51. Brazil Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 52. Argentina Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 53. Argentina Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 54. Argentina Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 55. Middle East & Africa Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 56. Middle East & Africa Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 57. Middle East & Africa Diesel Generator market estimates and forecast, by

Application, 2019 - 2030, (USD Million)

Table 58. Saudi Arabia Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 59. Saudi Arabia Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 60. Saudi Arabia Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

Table 61. UAE Diesel Generator market estimates and forecast, 2019 - 2030, (USD Million)

Table 62. UAE Diesel Generator market estimates and forecast, by Power Rating, 2019 - 2030, (Million Liters)

Table 63. UAE Diesel Generator market estimates and forecast, by Application, 2019 - 2030, (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market segmentation & scope
- Fig. 2 Market segmentation & scope
- Fig. 3 Diesel Generator value chain analysis
- Fig. 4 Diesel Generator market dynamics
- Fig. 5 Market driver impact analysis
- Fig. 6 Market restraint impact analysis
- Fig. 7 PORTER'S analysis: Diesel Generator market
- Fig. 8 PESTEL Analysis: Diesel Generator market
- Fig. 9 Diesel Generator market: Power Rating movement analysis, 2021 & 2030
- Fig. 10 Diesel Generator market: Application movement analysis, 2021 & 2030
- Fig. 11 Diesel Generator market: Regional movement analysis, 2021 & 2030
- Fig. 12 Diesel Generator market: Company market share analysis, 2019
- Fig. 13 Diesel Generator market: Strategic framework

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