

United States Diesel Generator Market Report and Forecast 2024-2032

Market Report | 2024-03-25 | 170 pages | EMR Inc.

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Report description:

United States Diesel Generator Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the United States diesel generator market reached a value of USD 3.37 billion in 2023. Aided by the critical need for standby power solutions across various sectors including industrial, commercial, healthcare, and residential, the market is projected to further grow at a CAGR of 5.1% between 2024 and 2032 to reach a value of USD 5.29 billion by 2032.

Diesel generators, known for their efficiency and reliability, play a pivotal role in providing backup power across various sectors, including industrial, commercial, and residential. Their critical function in emergency power systems and the ability to supply power during grid failures make them indispensable in the United States' infrastructure.

The United States diesel generator market growth is primarily fuelled by the increasing demand for uninterrupted power supply amidst frequent power outages caused by aging infrastructure and natural calamities. Additionally, the burgeoning industrial sector, which requires consistent power for operations, significantly contributes to the market's expansion. The push towards infrastructure development, including healthcare facilities, data centres, and commercial buildings, further necessitates the need for diesel generators, ensuring their demand remains robust.

According to the United States diesel generator market analysis, the technological advancements have also paved the way for more efficient and environmentally friendly diesel generators. Innovations aimed at reducing emissions and improving fuel efficiency resonate with the growing environmental concerns and stringent government regulations regarding pollution control. These enhancements not only address ecological issues but also improve the operational cost-effectiveness of diesel generators, making them more attractive to potential users.

A notable trend is the increasing inclination towards portable generators among residential users. The need for emergency power solutions that are flexible and easily deployable during power outages is driving the popularity of portable diesel generators. Moreover, the industrial and commercial sectors are progressively adopting smart generators equipped with IoT (Internet of Things) capabilities, enabling remote monitoring and management, thus optimising performance and reducing downtime. The diesel generator market in United States is also witnessing a shift towards hybrid generators, combining diesel with renewable energy sources like solar and wind. This hybrid approach not only enhances fuel efficiency and reduces operational

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costs but also aligns with the global movement towards sustainable energy solutions.

Market Segmentation

The market can be divided based on power rating, application, end use, and region.

Market Breakup by Power Rating

- Below 75 KVA
- 75-375 KVA
- 375-750 KVA
- Above 750 KVA

Market Breakup by Application

- Standby Backup Power
- Prime Power
- Peak Shaving Power

Market Breakup by End Use

- Residential
- Commercial
- Industrial

Market Breakup by Region

- New England
- Mideast
- Great Lakes
- Plains
- Southeast
- Southwest
- Rocky Mountain
- Far West

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the United States diesel generator market. Some of the major players explored in the report by Expert Market Research are as follows:

- Generac Power Systems, Inc.
- Cummins, Inc.
- Caterpillar Inc.
- Doosan Corp.
- Mitsubishi Heavy Industries Ltd.
- Yanmar Holdings Co., Ltd.
- Kubota Corp.
- Kohler Co.
- KAZANCI HOLDING
- Kirloskar Oil Engines Ltd.
- Others

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Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Market Snapshot
- 7 Opportunities and Challenges in the Market
- 8 North America Diesel Generator Market Overview
 - 8.1 Key Industry Highlights
 - 8.2 North America Diesel Generator Historical Market (2018-2023)
 - 8.3 North America Diesel Generator Market Forecast (2024-2032)
 - 8.4 North America Diesel Generator Market breakup by Country
 - 8.4.1 United States
 - 8.4.2 Canada
- 9 United States Diesel Generator Market Overview
 - 9.1 Key Industry Highlights
 - 9.2 United States Diesel Generator Historical Market (2018-2023)
 - 9.3 United States Diesel Generator Market Forecast (2024-2032)
- 10 United States Diesel Generator Market by Power Rating
 - 10.1 Below 75 KVA
 - 10.1.1 Historical Trend (2018-2023)
 - 10.1.2 Forecast Trend (2024-2032)
 - 10.2 75-375 KVA
 - 10.2.1 Historical Trend (2018-2023)
 - 10.2.2 Forecast Trend (2024-2032)
 - 10.3 375-750 KVA
 - 10.3.1 Historical Trend (2018-2023)
 - 10.3.2 Forecast Trend (2024-2032)
 - 10.4 Above 750 KVA
 - 10.4.1 Historical Trend (2018-2023)
 - 10.4.2 Forecast Trend (2024-2032)
- 11 United States Diesel Generator Market by Application

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- 11.1 Standby Backup Power
 - 11.1.1 Historical Trend (2018-2023)
 - 11.1.2 Forecast Trend (2024-2032)
- 11.2 Prime Power
 - 11.2.1 Historical Trend (2018-2023)
 - 11.2.2 Forecast Trend (2024-2032)
- 11.3 Peak Shaving Power
 - 11.3.1 Historical Trend (2018-2023)
 - 11.3.2 Forecast Trend (2024-2032)
- 12 United States Diesel Generator Market by End Use
 - 12.1 Residential
 - 12.1.1 Historical Trend (2018-2023)
 - 12.1.2 Forecast Trend (2024-2032)
 - 12.2 Commercial
 - 12.2.1 Historical Trend (2018-2023)
 - 12.2.2 Forecast Trend (2024-2032)
 - 12.3 Industrial
 - 12.3.1 Historical Trend (2018-2023)
 - 12.3.2 Forecast Trend (2024-2032)
- 13 United States Diesel Generator Market by Region
 - 13.1 New England
 - 13.1.1 Historical Trend (2018-2023)
 - 13.1.2 Forecast Trend (2024-2032)
 - 13.2 Mideast
 - 13.2.1 Historical Trend (2018-2023)
 - 13.2.2 Forecast Trend (2024-2032)
 - 13.3 Great Lakes
 - 13.3.1 Historical Trend (2018-2023)
 - 13.3.2 Forecast Trend (2024-2032)
 - 13.4 Plains
 - 13.4.1 Historical Trend (2018-2023)
 - 13.4.2 Forecast Trend (2024-2032)
 - 13.5 Southeast
 - 13.5.1 Historical Trend (2018-2023)
 - 13.5.2 Forecast Trend (2024-2032)
 - 13.6 Southwest
 - 13.6.1 Historical Trend (2018-2023)
 - 13.6.2 Forecast Trend (2024-2032)
 - 13.7 Rocky Mountain
 - 13.7.1 Historical Trend (2018-2023)
 - 13.7.2 Forecast Trend (2024-2032)
 - 13.8 Far West
 - 13.8.1 Historical Trend (2018-2023)
 - 13.8.2 Forecast Trend (2024-2032)
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths

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- 14.1.2 Weaknesses
- 14.1.3 Opportunities
- 14.1.4 Threats
- 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
- 14.3 Key Indicators for Demand
- 14.4 Key Indicators for Price
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Company Profiles
 - 15.2.1 Generac Power Systems, Inc.
 - 15.2.1.1 Company Overview
 - 15.2.1.2 Product Portfolio
 - 15.2.1.3 Demographic Reach and Achievements
 - 15.2.1.4 Certifications
 - 15.2.2 Cummins, Inc.
 - 15.2.2.1 Company Overview
 - 15.2.2.2 Product Portfolio
 - 15.2.2.3 Demographic Reach and Achievements
 - 15.2.2.4 Certifications
 - 15.2.3 Caterpillar Inc.
 - 15.2.3.1 Company Overview
 - 15.2.3.2 Product Portfolio
 - 15.2.3.3 Demographic Reach and Achievements
 - 15.2.3.4 Certifications
 - 15.2.4 Doosan Corp.
 - 15.2.4.1 Company Overview
 - 15.2.4.2 Product Portfolio
 - 15.2.4.3 Demographic Reach and Achievements
 - 15.2.4.4 Certifications
 - 15.2.5 Mitsubishi Heavy Industries Ltd.
 - 15.2.5.1 Company Overview
 - 15.2.5.2 Product Portfolio
 - 15.2.5.3 Demographic Reach and Achievements
 - 15.2.5.4 Certifications
 - 15.2.6 Yanmar Holdings Co., Ltd.
 - 15.2.6.1 Company Overview
 - 15.2.6.2 Product Portfolio
 - 15.2.6.3 Demographic Reach and Achievements
 - 15.2.6.4 Certifications
 - 15.2.7 Kubota Corp.
 - 15.2.7.1 Company Overview
 - 15.2.7.2 Product Portfolio

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- 15.2.7.3 Demographic Reach and Achievements
- 15.2.7.4 Certifications
- 15.2.8 Kohler Co.
 - 15.2.8.1 Company Overview
 - 15.2.8.2 Product Portfolio
 - 15.2.8.3 Demographic Reach and Achievements
 - 15.2.8.4 Certifications
- 15.2.9 KAZANCI HOLDING
 - 15.2.9.1 Company Overview
 - 15.2.9.2 Product Portfolio
 - 15.2.9.3 Demographic Reach and Achievements
 - 15.2.9.4 Certifications
- 15.2.10 Kirloskar Oil Engines Ltd.
 - 15.2.10.1 Company Overview
 - 15.2.10.2 Product Portfolio
 - 15.2.10.3 Demographic Reach and Achievements
 - 15.2.10.4 Certifications
- 15.2.11 Others
- 16 Key Trends and Developments in the Market

List of Key Figures and Tables

1. North America Diesel Generator Market: Key Industry Highlights, 2018 and 2032
2. United States Diesel Generator Market: Key Industry Highlights, 2018 and 2032
3. United States Diesel Generator Historical Market: Breakup by Power Rating (USD Billion), 2018-2023
4. United States Diesel Generator Market Forecast: Breakup by Power Rating (USD Billion), 2024-2032
5. United States Diesel Generator Historical Market: Breakup by Application (USD Billion), 2018-2023
6. United States Diesel Generator Market Forecast: Breakup by Application (USD Billion), 2024-2032
7. United States Diesel Generator Historical Market: Breakup by End Use (USD Billion), 2018-2023
8. United States Diesel Generator Market Forecast: Breakup by End Use (USD Billion), 2024-2032
9. United States Diesel Generator Historical Market: Breakup by Region (USD Billion), 2018-2023
10. United States Diesel Generator Market Forecast: Breakup by Region (USD Billion), 2024-2032
11. United States Diesel Generator Market Structure

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