

Gas Generator - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Gas Generator Market is expected to register a CAGR of 4.95% during the forecast period.

Key Highlights

- Over the medium term, factors such as increasing awareness regarding natural gas as a clean and reliable fuel, increased concerns over diesel maintenance and refueling issues, and decreasing natural gas fuel prices will likely drive the gas generator market in the forecast period.
- On the other hand, the lack of gas grid connectivity via pipeline, resulting in hindered fuel supply, is expected to act as a restraining factor to the gas generator market during the forecast period.
- Nevertheless, the commercial and industrial sectors of emerging economies, the residential sector of developed economies, and the increasing need for power in defense operations are expected to create significant opportunities for market participants during the forecast period.
- North America is expected to be the largest market during the forecast period for gas generators, with most of the demand expected to come from the United States and Canada.

Gas Powered Generator Market Trends

Below 75 kVA Capacity Rating to Dominate the Market

- Less than or equal to 75 kVA gas generators are used in the telecommunication sector, commercial complexes, small

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restaurants, small-scale industries, and petrol stations, primarily as backup power in grid-connected areas and as the main power source in off-grid areas.

- The demand for less than or equal to 75 kVA gas generators is expected to increase with the change in the landscape for small businesses, especially in Asia-Pacific and Africa developing countries. Power failure is common in most regions, so most households and shops prefer portable and affordable small generators.
- The building and construction market is rising in India and China due to current government initiatives, such as smart cities and green building initiatives, which are expected to create the demand for gas generators during the forecast period, driving the market.
- With the increasing consumption of natural gas, the use of natural gas in power generation is expected to increase, driving the market in the forecast period.
- The rising production of natural gas is another primary reason for the increasing adoption of gas generators. In 2022, around 4043.8 bcm of natural gas was produced globally. Moreover, purchasing less than 75 kVA gas generators is mostly based on price and requirement rather than efficiency, as they offer emergency backup power.
- Therefore, it has helped small generator manufacturers to grow and capture the demand in developing countries, where residential construction projects and governmental investments in the tourism and agriculture industries are witnessing robust growth.

North America to Dominate the Market

- The natural gas industry in North America has changed by unprecedented magnitude and pace, with natural gas consumption witnessing a 25% increase over the past 10 years. The availability of abundant natural gas resources across shale regions will likely increase demand for gas generators during the forecast period.
- Frequent hurricanes and thunderstorms have caused disruptions to the well-established electricity transmission networks in the United States, increasing the demand for gas generators.
- The biggest driver of the gas-generator market is the data center plans in the region, requiring a more reliable power supply. For instance, in August 2022, Vantage planned to expand its operations in Canada by opening a new campus in Montreal and expanding existing data centers in Montreal and Quebec City. The company announced an additional USD 713 million investment in scaling its Canadian operations. This investment includes the development of a third campus in Montreal and the expansion of two existing campuses in Montreal and Quebec City, bringing the total number of Vantage campuses in Quebec to four, totaling 143 MW of capacity when fully developed.
- In February 2023, Cummins Inc. announced adding 175kW and 200kW natural gas standby generator sets for North American customers. The new 175kW and 200kW natural gas generator sets offer customers industry-leading power density and are engineered to provide exceptional performance and consistent reliability to meet customers' power requirements.
- As the air emission norms are becoming more stringent in the United States, coupled with the environmental benefits, the demand for gas generators is expected to witness a significant increase compared to diesel generators, which are considered more polluting.
- The United States enjoys one of the world's most developed gas-grid infrastructures, ensuring a steady fuel supply. With the falling cost of natural gas, the usage of natural gas across the residential sector is expected to increase. This, in turn, is expected to drive the gas generator market in the residential sector for backup power applications in the coming years.
- Therefore, based on the above factors, North America is expected to dominate the global gas generator market during the forecast period.

Gas Powered Generator Industry Overview

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The gas generator market is moderately fragmented. Some of the key players in this market (not in particular order) include Generac Holdings Inc., Caterpillar Inc., Mitsubishi Heavy Industries Ltd, Cummins Inc., and Kohler Co.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Scope of the Study
- 1.2 Market Definition
- 1.3 Study Assumptions

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Market Size and Demand Forecast in USD billion, till 2028
- 4.3 Recent Trends and Developments
- 4.4 Government Policies and Regulations
- 4.5 Market Dynamics
 - 4.5.1 Drivers
 - 4.5.1.1 Increasing Awareness Regarding Natural Gas as a Clean and Reliable Fuel
 - 4.5.1.2 Increasing Concerns Over Diesel Maintenance and Refueling Issues
 - 4.5.2 Restraints
 - 4.5.2.1 Lack of Gas Grid Connectivity Via Pipeline, Resulting in Hindered Fuel Supply
- 4.6 Supply Chain Analysis
- 4.7 Porter's Five Forces Analysis
 - 4.7.1 Bargaining Power of Suppliers
 - 4.7.2 Bargaining Power of Consumers
 - 4.7.3 Threat of New Entrants
 - 4.7.4 Threat of Substitutes Products and Services
 - 4.7.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION

- 5.1 Power Rating
 - 5.1.1 Less than 75 kVA
 - 5.1.2 75-375 kVA
 - 5.1.3 Above 375 kVA
- 5.2 End-User
 - 5.2.1 Industrial
 - 5.2.2 Commercial
 - 5.2.3 Residential
- 5.3 Geography (Regional Market Analysis {Market Size and Demand Forecast till 2028 (for regions only)})

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- 5.3.1 North America
 - 5.3.1.1 United States
 - 5.3.1.2 Canada
 - 5.3.1.3 Rest of North America
- 5.3.2 Europe
 - 5.3.2.1 Germany
 - 5.3.2.2 France
 - 5.3.2.3 United Kingdom
 - 5.3.2.4 Rest of Europe
- 5.3.3 Asia-Pacific
 - 5.3.3.1 China
 - 5.3.3.2 India
 - 5.3.3.3 Japan
 - 5.3.3.4 South Korea
 - 5.3.3.5 Rest of Asia-Pacific
- 5.3.4 South America
 - 5.3.4.1 Brazil
 - 5.3.4.2 Argentina
 - 5.3.4.3 Rest of South America
- 5.3.5 Middle-East and Africa
 - 5.3.5.1 Saudi Arabia
 - 5.3.5.2 United Arab Emirates
 - 5.3.5.3 South Africa
 - 5.3.5.4 Rest of Middle-East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Strategies Adopted by Leading Players
- 6.3 Company Profiles
 - 6.3.1 Generac Holdings Inc.
 - 6.3.2 Caterpillar Inc.
 - 6.3.3 AKSA Power Generation
 - 6.3.4 Cooper Corporation
 - 6.3.5 Mitsubishi Heavy Industries Ltd.
 - 6.3.6 Kohler Co.
 - 6.3.7 Cummins Inc.
 - 6.3.8 General Electric Company
 - 6.3.9 F.G. Wilson
 - 6.3.10 MTU America Inc.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

- 7.1 The Increasing Need for Power in Defense Operations

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