

Global Diesel Generator Market

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Abstracts

This report provides an analysis of the global diesel generator market. It includes global revenue (\$ millions) for the base year 2024, estimated data for 2025 and projections for compound annual growth rates (CAGRs) from 2025 through 2030.

The report covers qualitative and quantitative information for diesel generator set (genset) market segments, such as power ratings, applications and end users. The study also analyzes the diesel generator market in four regions: the Americas, Europe, Asia-Pacific (APAC), and the Middle East and Africa (MEA). It covers emerging technologies, recent developments, patents and companies' environmental, social and governance (ESG) initiatives. Macroeconomic factors have been evaluated, including U.S. tariffs and the impact of raw materials prices. In addition, the market shares of the leading companies and their strategies are analyzed. All market values are in U.S. dollars (\$ millions).

Report Includes

59 data tables and 47 additional tables

An overview of the global market for diesel generators

In-depth analysis of global market trends, featuring historical revenue data for 2024, estimated figures for 2025, as well as forecasts for 2026, and 2029, including projections of CAGRs through 2030

Evaluation of the current market size and revenue growth prospects specific to the diesel generators, accompanied by a market share analysis by portability, power rating, application, end-user and region

Analysis of market opportunities with a holistic review of Porter's Five Forces model and industry supply chain analysis, considering both micro- and macro-environmental factors prevailing in the market

Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, regulatory framework and reimbursement scenarios and ESG trends of the market

Identification of companies best positioned to meet this demand due to their proprietary technologies, mergers and acquisitions, joint ventures and other strategic alliances

Descriptive profiles of the leading global companies, including Cummins Inc., Caterpillar, Rolls-Royce plc, Generac Power Systems Inc., and Mitsubishi Heavy Industries Ltd.

Summary:

The global market for diesel generators is expected to grow from \$22.2 billion in 2025 and is projected to reach \$31.8 billion by the end of 2030, at a compound annual growth rate (CAGR) of 7.5% during the forecast period of 2025 to 2030.

The growing demand for more sustainable and clean sources of reliable electricity has spurred technological advances in diesel engines and gensets. Environmental and energy security concerns are driving the push for gensets with higher power output, quieter operation and cleaner emissions. Due to their cost-effectiveness and efficient resource use, hybrid power systems are gaining popularity. By reducing fuel consumption and maintenance costs, battery energy storage systems that optimize diesel gensets improve overall productivity.

Remote monitoring, improved fuel efficiency and reduced risk of engine breakdowns are enabled by integrating technology such as predictive maintenance, electronic control systems and advanced data analytics into diesel gensets. Smart diesel gensets facilitate effective combustion, operational control and load distribution through digital technologies. In addition to aligning with governments' increased focus on environmental regulations and emissions control, advances in fuel system efficiency, engine modifications, emissions treatments and digital controls are poised to enhance overall engine performance, increase energy efficiency and improve fuel economy.

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BRIGGS & STRATTON
CATERPILLAR
CUMMINS INC.
DISCOVERY ENERGY LLC. DBA REHLKO
DOOSAN BOBCAT
GENERAC POWER SYSTEMS INC.
HIMOINSA
INTERNATIONAL SOCIETY OF BAUDOIN MOTORS
KIRLOSKAR OIL ENGINES LTD.
MITSUBISHI HEAVY INDUSTRIES ENGINE SYSTEM ASIA PTE. LTD.
ROLLS-ROYCE PLC
WESTQUIP DIESEL SALES
YAMAHA MOTOR CO. LTD.

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