

Global Diesel Generator for Data Center Market Growth 2026-2032

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Abstracts

The global Diesel Generator for Data Center market size is predicted to grow from US\$ 8667 million in 2025 to US\$ 24184 million in 2032; it is expected to grow at a CAGR of 17.1% from 2026 to 2032.

Diesel generators for data centers are backup power equipment designed specifically for data centers. They are mainly used to provide emergency power protection when the power grid is interrupted or fails to ensure the continuous operation of servers, storage devices and other key equipment in the data center. Diesel generators generate electricity by burning diesel and output it to the power system of the data center to maintain the normal operation of the equipment and prevent data loss or system shutdown due to power outages. In 2025, global Diesel Generator for Data Center production reached approximately 21893 units, with an average global market price of around 404.7 K USD/unit. The production capacity for Diesel Generator for Data Center in 2025 was approximately 25000 units. The typical gross profit margin for Diesel Generator for Data Center between 10% and 20%.

The Diesel Generator for Data Center market is driven by the rapid expansion of cloud computing, AI data centers, and increasing demand for uninterrupted power supply. As data centers grow in scale and power density, the need for high-capacity, reliable backup solutions continues to rise, particularly in hyperscale and colocation facilities. The market is also evolving toward higher efficiency, lower emissions, and integration with hybrid energy systems such as battery storage and renewable energy, while regulatory pressure and sustainability goals are encouraging the adoption of cleaner and more advanced generator technologies.

LP Information, Inc. (LPI) ' newest research report, the ?Diesel Generator for Data

Center Industry Forecast? looks at past sales and reviews total world Diesel Generator for Data Center sales in 2025, providing a comprehensive analysis by region and market sector of projected Diesel Generator for Data Center sales for 2026 through 2032. With Diesel Generator for Data Center sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Diesel Generator for Data Center industry.

This Insight Report provides a comprehensive analysis of the global Diesel Generator for Data Center landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Diesel Generator for Data Center portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Diesel Generator for Data Center market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Diesel Generator for Data Center and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Diesel Generator for Data Center.

This report presents a comprehensive overview, market shares, and growth opportunities of Diesel Generator for Data Center market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

12-16 Cylinders

>16 Cylinders

Segmentation by Cylinder Bore:

Cylinder Bore:

Cylinder Bore: 130?170 mm

Cylinder Bore: > 170 mm

Segmentation by Power:

Power:

Power: 1000KW-3000KW

Power: > 3000KW

Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Caterpillar

Cummins

MTU (Rolls?Royce)

Mitsubishi Heavy Industries

Weichai Power

Rehiko

Guangxi Yuchai

Wartsila

Generac

Tellhow Sci-Tech

Shanghai Cooltech POWER

Himoinsa

Shanghai New Power Automotive Technology

Genesal Energy

Power Hf

Key Questions Addressed in this Report

What is the 10-year outlook for the global Diesel Generator for Data Center market?

What factors are driving Diesel Generator for Data Center market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Diesel Generator for Data Center market opportunities vary by end market size?

How does Diesel Generator for Data Center break out by Type, by Application?

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