

Global Data Center Diesel Generator Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Data Center Diesel Generator market size is expected to reach \$ 782 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

A Data Center Diesel Generator is a backup power system used in data centers to provide reliable emergency electricity when the primary utility power fails. It is typically integrated with uninterruptible power supplies (UPS) and automatic transfer switches (ATS), allowing the generator to start within seconds and sustain continuous operation for hours or days. Diesel generators are favored in data centers due to their high power output, fast response time, fuel availability, and proven reliability, making them a critical component of data center power infrastructure and operational continuity. In 2025, global Data Center Diesel Generator production reached approximately 1120 units, with an average global market price of around US\$ 150 k usd per unit. The production capacity for Data Center Diesel Generator in 2025 was approximately 1300 units. The typical gross profit margin for Data Center Diesel Generator is between 20% and 40%.

This report studies the global Data Center Diesel Generator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Diesel Generator and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Data Center Diesel Generator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center Diesel Generator total production and demand, 2021-2032, (K Units)

Global Data Center Diesel Generator total production value, 2021-2032, (USD Million)

Global Data Center Diesel Generator production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Data Center Diesel Generator consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Data Center Diesel Generator domestic production, consumption, key domestic manufacturers and share

Global Data Center Diesel Generator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Data Center Diesel Generator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Data Center Diesel Generator production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Data Center Diesel Generator market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Caterpillar, Kohler, Cummins, Generac, Mitsubishi Heavy Industries, MTU, Wartsila, HIMOINSA, GE Vernova, Shanghai Cooltech POWER, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Data Center Diesel Generator market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Data Center Diesel Generator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Diesel Generator Market, Segmentation by Type:

1000KW-2000KW

2000KW-3000KW

?3000KW

Global Data Center Diesel Generator Market, Segmentation by Redundancy Configuration:

N+1

2N

Others

Global Data Center Diesel Generator Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

Companies Profiled:

Caterpillar

Kohler

Cummins

Generac

Mitsubishi Heavy Industries

MTU

Wartsila

HIMOINSA

GE Vernova

Shanghai Cooltech POWER

Tellhow Sci-Tech

Senci Electric Machinery

Weichai Power

Changchai Company

Power Hf Co., Ltd.

Key Questions Answered:

1. How big is the global Data Center Diesel Generator market?
2. What is the demand of the global Data Center Diesel Generator market?
3. What is the year over year growth of the global Data Center Diesel Generator market?
4. What is the production and production value of the global Data Center Diesel Generator market?
5. Who are the key producers in the global Data Center Diesel Generator market?
6. What are the growth factors driving the market demand?

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