

Global Dust Explosion-Proof Permanent Magnet Motor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G6F2B538A7EDEN.html>

Date: October 2025

Pages: 125

Price: US\$ 3,132.00 (Single User License)

ID: G6F2B538A7EDEN

Abstracts

According to our (Global Info Research) latest study, the global Dust Explosion-Proof Permanent Magnet Motor market size was valued at US\$ 1449 million in 2024 and is forecast to a readjusted size of USD 2745 million by 2031 with a CAGR of 9.7% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Dust explosion-proof permanent magnet motor is a motor designed for flammable and explosive dust environments. It uses permanent magnet materials (such as NdFeB) as the magnetic field source and has high energy efficiency and reliability. The motor is treated with explosion-proof technology to prevent sparks, overheating or other dangers that may cause explosions during operation, ensuring the safe operation of the equipment in environments containing combustible dust such as coal mines, chemical plants, metallurgical plants, and grain processing. Dust explosion-proof permanent magnet motors usually comply with international explosion-proof standards (such as ATEX, IECEx, UL, etc.) and are widely used in drive systems in high-risk industries to ensure the safety and stability of the production process.

This report is a detailed and comprehensive analysis for global Dust Explosion-Proof Permanent Magnet Motor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many

markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Dust Explosion-Proof Permanent Magnet Motor market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Dust Explosion-Proof Permanent Magnet Motor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Dust Explosion-Proof Permanent Magnet Motor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Dust Explosion-Proof Permanent Magnet Motor market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Dust Explosion-Proof Permanent Magnet Motor
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Dust Explosion-Proof Permanent Magnet Motor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens, ABB Group, Weg Electric, Baldor, Marathon, NORD Drivesystems, Rockwell Automation, Regal Rexnord, Hebei New Sdar Electric Motor, Nanyang Explosion-Proof Motor, etc.

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

Market Segmentation

Dust Explosion-Proof Permanent Magnet Motor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Permanent Magnet Synchronous Motor

Permanent Magnet Asynchronous Motor

Market segment by Application

Coal Mining Industry

Chemical Industry

Metallurgical Industry

Others

Major players covered

Siemens

ABB Group

Weg Electric

Baldor

Marathon

NORD Drivesystems

Rockwell Automation

Regal Rexnord

Hebei New Sdar Electric Motor

Nanyang Explosion-Proof Motor

Wolong Group

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Dust Explosion-Proof Permanent Magnet Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Dust Explosion-Proof Permanent Magnet Motor, with price, sales quantity, revenue, and global market share of Dust Explosion-Proof Permanent Magnet Motor from 2020 to 2025.

Chapter 3, the Dust Explosion-Proof Permanent Magnet Motor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Dust Explosion-Proof Permanent Magnet Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Dust Explosion-Proof Permanent Magnet Motor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Dust Explosion-Proof Permanent Magnet Motor.

Chapter 14 and 15, to describe Dust Explosion-Proof Permanent Magnet Motor sales channel, distributors, customers, research findings and conclusion.

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