

Marine Diesel Engine Market By Ship Type (Bulk Carriers, General Cargo Ship, Container Ship, Ferries and Passenger Ships, Oil Tankers, Others), By Technology (Low Speed, Medium Speed, High Speed), By Capacity (300 To 500 Hp, 500 To 1000 Hp, 1001 To 2000 Hp, 2001 To 5000 Hp, More Than 5001 Hp), By Type (2-Stroke, 4-Stroke): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-10-01 | 385 pages | Allied Market Research

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Report description:

The report incorporates the study of the global marine diesel engine market that focuses on the diesel engine which operates on the constant pressure or diesel cycle principle. Fuel is admitted directly into the cylinder and combustion takes place as a result of the heat of compression. It has the highest thermal efficiency than any present engine in the market. In addition, marine diesel engines are exceptionally reliable, with an operating efficiency of around 55-60% depending upon the age of the engine, deadweight tonnage, and vessel size. At present, engine manufacturers are developing high powered and low polluting engines to meet consumer demand and reduce emissions from boating activities. For instance, in August 2020, Caterpillar announced the launch of the Cat C32B marine diesel engine. It is a 12-cylinder, vee-configuration engine and is rated at 2000 hp to 2300 rpm, with a metric rating of 2025 hp. Furthermore, the engine featured the latest version of Cat's ADEM electronic engine control module (ADEM 6) as well as an advanced unit injection fuel system.

The factors such as increase in international marine freight transport, high demand for two stroke marine diesel engines, and increase in water sports and leisure activities supplement the growth of the marine diesel engine market. However, rise in adoption of fully electric vessels and fluctuations in transportation and inventory costs are the factors expected to hamper the growth of the marine diesel engine market. In addition, development of engine technology and rise in adoption of dual fuel-based marine engines creates market opportunities for the key players operating in the marine diesel engine market.

For the purpose of analysis, the global marine diesel engine market is segmented on the basis of ship type, technology, capacity, type, and region. By ship type, the market is divided into bulk carriers, general cargo ship, container ship, ferries & passenger

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ships, oil tankers, and others. By technology, it is fragmented into low speed, medium speed, and high speed. By capacity, it is categorized into 300 to 500 Hp, 500 to 1000 Hp, 1001 to 2000 Hp, 2001 to 5000 Hp, and more than 5001 Hp. By type, it is further classified into 2-Stroke and 4-Stroke. By region, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The leading players operating in the marine diesel engine market are Bergen Engines, Caterpillar, Cummins Inc., Daihatsu Diesel Mfg. Co., Ltd., Deere & Company, Deutz AG, Fairbanks Morse Defense, Hyundai Heavy Industries Co., Ltd, IHI Power Systems, MAN SE, Mercury Marine, Mitsubishi Corporation, Rolls Royce plc, Volvo Penta, Wabtec Corporation, Wartsila, and Yanmar Marine International B.V.

Key Benefits For Stakeholders

This study presents analytical depiction of the global marine diesel engine market analysis along with current trends and future estimations to depict imminent investment pockets.

The overall marine diesel engine market opportunity is determined by understanding profitable trends to gain a stronger foothold. The report presents information related to the key drivers, restraints, and opportunities of the global marine diesel engine market with a detailed impact analysis.

The current marine diesel engine market is quantitatively analyzed from 2022 to 2031 to benchmark the financial competency.

Porter's five forces analysis illustrates the potency of the buyers and suppliers in the industry.

Key Market Segments

By Ship Type

- Bulk Carriers
- General Cargo Ship
- Container Ship
- Ferries and Passenger Ships
- Oil Tankers
- Others

By Technology

- Low Speed
- Medium Speed
- High Speed

By Capacity

- 300 To 500 Hp
- 500 To 1000 Hp
- 1001 To 2000 Hp
- 2001 To 5000 Hp
- More Than 5001 Hp

By Type

- 2-Stroke
- 4-Stroke

By Region

- North America
- Mexico
- U.S.
- Canada
- Europe
- UK
- Germany
- France
- Italy
- Spain

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- Rest Of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Rest Of Asia-Pacific
- LAMEA
- Africa
- Latin America
- Middle East
- Key Market Players
- Bergen Engines
- Caterpillar
- Cummins Inc.
- Daihatsu Diesel Mfg. Co., Ltd.
- Deutz AG
- GE Transportation
- Hyundai Heavy Industries Co., Ltd
- IHI Power Systems
- John Deere
- MAN SE
- Mercury Marine
- Mitsubishi Corporation
- Rolls Royce plc
- Siemens Energy
- Volvo Penta
- Wartsila
- Yanmar Marine International B.V.

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