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Diesel Power Engine Market by Operation (Standby, Prime, and Peak Shaving), Power Rating (Below 0.5 MW, 0.5-1 MW, 1.0-2 MW, 2.0–5 MW, and Above 5 MW), End User (Industrial, Commercial, and Residential), Speed, and Region - Global Forecast to 2025

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Abstracts

"Increased industrialization, growing demand for reliable backup power supply, and datacenter investments are set to drive the diesel power engine market"

The global diesel power engine market is estimated to be USD 6.3 billion in 2020 and projected to reach USD 7.9 billion by 2025, at a CAGR of 4.6%. The market has a promising growth potential due to several factors, including increasing industrialization, growing demand for reliable backup power solutions, and datacenter investments especially in Europe and North America.

Diesel power engines are compression ignition, reciprocating engines and are considered one of the most reliable and capable fossil fuel-based power generation technologies. These engines are coupled with an alternator to generate power as and when demanded. They are utilized for continuous and emergency standby power supply across end users such as oil & gas, mining, petrochemical, datacenters, hospital, and commercial buildings. The market growth for diesel power engines can be attributed to the increased demand for reliable backup power, especially from industrial and commercial end users to supply critical loads.

The recent COVID-19 pandemic is expected to impact the global diesel power engine market. a. COVID-19 outbreak led to large scale shutdown of operations across sectors, and disruption of projects and investments across end use industries. Due to extended lockdown and disruption of operations the end use demand was low, and this was

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reflected in the 2020 first quarter revenues of both Caterpillar, and Cummins who registered 21%, and 19% decline in revenues respectively

“Standby: The largest segment of the diesel power engine market, by operation“

Standby segment is the largest segment of the diesel power engine market, by operation. Standby diesel engines are used by end users for emergency power supply. Fast-start diesel engines, which can immediately come online and start supplying loads, are preferred in most cases. The demand for these standby diesel engines is more among the end users. Industrial consumers, such as manufacturing and processing plants, rely on these standby diesel engines to maintain higher productivity in case of grid power failures. Sectors with critical loads, such as hospitals, telecom infrastructure, and datacenters, require continuous power supply. With the increased industrialization especially in Asia Pacific, the largest market for diesel power engines. These factors are expected to drive the market for diesel power engines globally.

“Commercial: The fastest-growing segment of the diesel power engines market, by end user “

Commercial segment is the fastest-growing segment of the diesel power engine market, by end user. The commercial sector’s demand for diesel engine-powered gensets arises out of the need for reliable backup power for sectors with critical loads, such as hospitals, datacenters, telecom infrastructure, and airports. Other commercial establishments such as malls, shopping complexes, offices, hotels, and warehouses also rely on diesel generator sets for emergency backup power supply. In cases of outages, they always require efficient and reliable power backup. The growth in datacenter and critical facilities investments, coupled is expected to create huge demand for diesel power engines. The need for reliable and quick backup is expected to propel the demand for diesel power engines in the commercial sector.

“Europe: The fastest-growing region in the diesel power engine market.”

The market growth in this region can be attributed to the growing datacenter investments especially in countries such as Germany, the UK, and other Nordic Countries. New regulations such as General Data Protection Regulation (GDPR) are expected to contribute to the growth of datacenters and thereby create demand for diesel power engines for backup power solutions.

Breakdown of Primaries:

The study contains insights from various industry experts, ranging from distributors to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier I–55%, Tier II–20%, and Tier III–25%

By Designation: C-level–20%, Directors–35%, and Others*–45%

By Region: Asia Pacific–40%, North America–30%, Europe–20%, Middle East & Africa?8%, South America?2%

*Others include sales managers, marketing managers, product managers, and product engineers.

Note: The tier of the companies is defined based on their total revenue as of 2018; Tier 1: USD 1 billion, Tier 2: from USD 1 billion to USD 500 million, and Tier 3:

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*Details on Business overview, Products offered, Recent Developments, SWOT Analysis, MNM view might not be captured in case of unlisted companies

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