

# Small Gas Engine Market: A Growing Force in Power and Utility Applications

*Small Gas Engine Market: The Heart of Portable Power | North America Dominate Market Share by US, Canada*

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According to a new report published by Allied Market Research, The global [small gas engine market](#) size was valued at \$2.7 billion in 2020, and is projected to reach \$4.0 billion by 2030, with global small gas engine market forecast expected at a CAGR of 4.2% from 2021 to 2030.



A small gas engine refers to an internal combustion engine that runs on gasoline or petrol and is typically used to power small machinery and equipment. These engines are commonly found in a wide range of applications, including lawn mowers, generators, chainsaws, water pumps, go-karts, and small vehicles like motorcycles and scooters.



Rise in demand for outdoor power equipment with low-emission & fuel-efficient and advent of special gas engines and remote generation application in sectors are drives small gas engines market”

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The North America small gas engine market accounted for the largest market share in 2020.

The major companies profiled in the [global small gas](#)

[engine industry](#) report include Briggs and Stratton Corporation, Champion Power Equipment, Kohler Co., Liquid Combustion Technology, Kipor Power, Kawasaki Heavy Industries, Honda Motor Co., Ltd, Fuji Heavy Industries, Yamaha Motor Corporation, and Kubota Corporation.

Small gas engines operate on the principle of internal combustion, where a mixture of air and

fuel (gasoline) is ignited inside a combustion chamber. The resulting combustion forces the piston to move, converting the energy of the expanding gases into rotational motion. This motion is then transmitted to the output shaft, which drives the machinery or equipment.

Rapid surge in industrialization and shift of individuals from rural areas to urban cities lead to increase in the construction of residential and commercial buildings. In the U.S. according to the commerce department, construction spending increased by 1.3% in public projects.

Rapid urbanization in Asia-Pacific boosts the growth of the construction sector in developing countries such as China, India, and other South Asia countries. This has a positive impact on the small gas engine market.

Rapid innovation and investment of new entrants to develop alternative power sources for small gas engines and uncertainties in the international fossil fuel prices have a negative impact on the development of the market.

Small gas engines typically range in power output from a few horsepower (hp) up to around 30 hp or more, depending on the specific application. The power output is determined by factors such as the engine's design, displacement, and RPM (revolutions per minute).

Small gas engines typically run on unleaded gasoline or petrol. However, it's important to use the correct fuel type specified by the engine manufacturer to avoid damage or performance issues. In recent years, there has been a growing emphasis on reducing emissions from small gas engines to comply with environmental regulations. Engine manufacturers have been implementing technologies to improve fuel efficiency and reduce emissions, such as catalytic converters and fuel injection systems.

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When operating machinery or equipment powered by small gas engines, it's important to follow safety guidelines and precautions. This may include using personal protective equipment (PPE), ensuring proper ventilation in enclosed spaces, and being cautious with fuel handling and storage to prevent accidents or injuries.

The stringent regulation of the government to the manufacturer to follow the guidelines has led to the additional investment of the manufacturer to manufacture the products. The increase in awareness among the people regarding the environmental impact of the application of natural gas-related products is anticipated to hamper the development of the small gas engine market.

On the basis of engine displacement, the global [small gas engines market](#) is segmented into 20-100cc, 101-450cc, and 451-650cc. On the basis of equipment, the market is classified into lawnmower, chainsaw, portable Generator, pressure washer, trimmer, edger, and others. On the

basis of application, the market is categorized into gardening, industrial, construction, and others.

## Impact Of Covid-19

The pandemic affected strength prices for products starting from crude oil to numerous refined petroleum products such as heating oil, jet gas, diesel gas, retail fuel, and gasoline on the pump. This created a negative impact on the improvement of the small gas engine market.

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Most of the corporations within the gas engine supply chain have stopped operations to make certain the safety of personnel and several facilities throughout the globe is dependent on the gas engine for various purposes. In addition, the decline in the demand for power across the globe has a remarkable effect on the demand for new gas engines.

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+1 800-792-5285

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