



When choosing a generator, whether it is a yard generator or an emergency power configuration, there are two possible directions to fuel: gas, propane or biogas and diesel or both options have clear advantages and require a deeper look at the application, together with a personal preference analysis. From cost and reliability to available fuel source and emission regulations, examining these key elements will determine whether your application is best suited for a diesel or gas generator.

Here are the pros and cons for diesel versus gas generators. Take these elements into account when choosing a new power generator.

DIESEL GENERATORS

Javac offers a wide range of diesel generators such as emergency power, site power, hybrid, PM technology, ultrasonic dampening, mobile version, and in a wide range of powers both in 3000 and in 1500 rpm, with Euro 3, 4 and 5, and different brands of engines as well as , OEM javac, if the price/quality ratio becomes the main argument.

Advantage of diesel

generators: Diesel generators require less maintenance, resulting in lower maintenance costs. The generators are sturdy, durable and have a long lifespan. Diesel generators are ideal for use on construction sites, rental companies, and emergency power. They are efficient in consumption compared to the same volume of gas required in gas generators. The generators are very safe; diesel fuel is less flammable and less explosive The latest EURO-5 generators emit less particulate matter and nitrogen oxides compared to the previous Euro standards. In terms of pricing, diesel generators generally require a lower investment, especially for emergency power generators that are exempt from the strict and expensive EURO emission standards,

Disadvantage of diesel

generators: Fuel costs are influenced by fluctuations in diesel prices Diesel generators are gradually losing their price advantage due to the new Euro-5 regulations Diesel fuel must be stored and requires an investment in an extra double-walled tank for continuous use, which is less of an issue emergency power gensets, which often have sufficient fuel in their own fuel tank.

GAS GENERATORS

Javac offers a complete line of _____, in powers up to 30 kW both in 1500 rpm and in 3000 rpm execution

Advantage of gas

generators: Gas generators are often connected to an existing natural gas pipeline, creating an immediately available fuel source.

The generators are well suited for emergency power applications due to the consistent fuel source. Natural gas, and by extension propane or biogas, have a cleaner combustion with fewer emissions than most other fossil fuels.

The gas generators also have a less pungent odor associated with poorly tuned diesel generators, and have no smoke at all from the combustion process.

Disadvantage gas

generators: Gas generators require more maintenance, resulting in higher maintenance costs and more downtime. The gas generators generally have a shorter lifespan. Natural disasters and general lockdown can disrupt natural gas supplies. Natural gas is explosive; fire hazard can occur if a fuel hose ruptures or bursts. Despite the fact that gas is a relatively pure fuel source, the various types of gas emit more carbon dioxide than diesel! The cost of maintenance cannot be overlooked. Unplanned downtime and longer than expected routine maintenance can have a major impact on the operation of any business.

Whether using a diesel or gas generator, the know-how to make a generator work efficiently will optimally influence the resistance resulting in a longer lifespan