

Containerized internal combustion power generation

What is a 40 ft containerized generator set?

Originally launched for limited markets in 2021, the 40-ft containerized generator sets were engineered for easy transportation, simple installation and are stackable, offering up to 34% space utilization savings over traditional build designs.

Are containerized generators reliable?

Years of use in the rental, oil and gas, mining and other heavy-duty industries have tested the reliability, usability and durability of our containerized generators. Our primary design challenges in developing this line of containerized generators were usability, reliability and functionality for the end user.

Can hydrogen internal combustion engines be used for renewable fuel utilization?

In this paper, research on hydrogen internal combustion engines is discussed. The objective of this project is to provide a high-efficiency means of renewable hydrogen-based fuel utilization. The development of a high-efficiency, low-emissions electrical generator will lead to establishing a path for renewable hydrogen-based fuel utilization.

What is a Tier 4 containerized generator?

Our Tier 4 containerized generators are high-powered --500 kW to 1250 kW-- units packaged in 30-foot or 48-foot ISO containers.

Can an internal combustion engine cycle achieve high efficiency?

Indeed it appears that no fundamental limit exists to achieving high efficiency from an internal combustion engine cycle. However, many engineering challenges are involved in approaching ideal Otto cycle performance in real systems, especially where high compression ratios are utilized.

What is the standard ventilation for genset containers?

The standard ventilation is designed for ambient temperatures from -25°C to +40°C. The genset containers can be equipped with several additional features to enable operation at lower temperatures on request. Type 6 containers are available with a similarly broad range of options that we offer for the Type 2 /3 /4 containers.

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