

Installation of water tank fan blades of generator set

What is a diesel generator set fan?

The function of the diesel generator set fan is to increase the flow rate of the air flowing through the core of the radiator and improve the heat dissipation capacity of the radiator. Diesel generator set fans generally have the characteristics of large air volume, good cooling effect, and low noise.

What are the characteristics of diesel generator set fans?

Diesel generator set fans generally have the characteristics of large air volume, good cooling effect, and low noise. Different types and rated powers can be equipped with fans of different specifications. Fans have two structures: suction type and blowing type. Users can choose one of them when ordering according to their needs.

How can a generator set be simulated?

Generator sets must be properly installed to ensure that cooling air is not restricted or artificially heated by nearby heat sources or from recirculation. Fortunately, installation influences can be simulated using software called Computational Fluid Dynamics. CFD is a software tool used to predict fluid flow, including thermal influences.

How many generator sets are installed on the second floor?

There are ten generator sets installed on the second floor of the building and seven generator sets on the ground floor directly below. There is a building located directly across from the discharge openings. A CFD model was prepared to look at the restriction on the fans for the lower and upper generator sets.

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FOREWORD This installation manual will guide you to the factors to be considered in the installation of your diesel generator system. It discusses location and mounting of the generating set; ...

When installing the fan, do not install it backward, otherwise the non-pressurized surface of the fan blade will become the pressurized surface, which will affect the fan's air volume and reduce the heat ...

1. Regularly check whether the installation of the fan is firm, and whether all the fan blades have obvious bending deformation. If found, it should be replaced immediately, so as to avoid ...

Rehiko uses CFD for many aspects of electrical generator design such as alternator cooling, exhaust system, engine air intake, engine fuel system, and cooling systems design, ...

Diesel generator sets need water to cool the engine during operation. There is a large fan in front of the engine to blow air for the radiator of the water tank. If the doors and windows are ...

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Fan is an important part of diesel generator set, the function is to increase the wind speed and air volume through the cooling water tank to improve the cooling capacity of the cooling water ...

Industrial Fan Service Kit GM11778 This instruction sheet covers the replacement procedure for the 2000 kW generator set radiator fan. If you are making a warranty claim, keep the ...

3. Do not increase the air supply capacity by bending the blades. Bending the blades can cause increased stress in the material, which can cause the fan to fail. The fan of Volvo diesel ...

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