

Function of the air inlet shutters in the generator room

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Therefore, while ensuring the ventilation of the generator room, it is also necessary to strengthen the dustproof function. The shutters for air intake and exhaust can be installed to ensure ...

The air inlet must be capable of moving enough air through the room to provide the correct minimum CFM (cubic feet per minute) cooling for generator as specified by the generator's manufacturer.

Since the generator room is generally on the first underground floor, there should be a large enough exhaust vertical, which is beneficial to noise elimination. The inlet shutter is generally located at the ...

Ventilation air inlets and outlets should be positioned to prevent pockets of stagnant or recirculating air, especially in the vicinity of the generator air inlet.

The exhaust chambers should be integrated into the generator design, and the air ducts should be designed to ensure that no gas or air can infiltrate the generator room.

In cold climate regions, the intake and exhaust vents of standby and rarely operating diesel generator sets can be fitted with adjustable shutters, which can be closed when the unit is not running.

During normal diesel engine operation, air flows from outside the EPGB into the air duct and then through the air intake filter for particulate removal and a silencer for noise reductions.

In order to prevent the backflow of hot air, the air inlet of the unit should be as far away from the air outlet as possible, and the air in the machine room should be as direct as possible. The ...

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