

# Exhaust air inlet distance of generator room

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When discharging air vertically, because the generator is surrounded on all sides, can result in higher than ambient air temperatures being pushed into inlet vents.

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.

What is the intake/exhaust area of a generator? velocities and a louver free area of 50% is used. Total required intake/exhaust areas are presented for the number of active generators and transformers. ...

ASHRAE has rules about how close to a building ventilation air intake you can get with your exhaust. I think it's ten feet. I recommend you check with your mechanical engineers. Some are ...

First, create as much separation between intake air entry and discharge air exit planes in the building. If possible, have these two airflow streams on different sides of the building to prevent recirculation.

Clearance requirements help ensure the generator is operated at a safe distance where heat and fumes will not cause fires or health hazards. The exhaust gets extremely hot and remains hot after shutdown.

The generator must be installed at a safe distance away from combustible materials. Engine, alternator, and exhaust system components become very hot during operation.

To prevent exhaust fumes, especially carbon monoxide, from entering living and working spaces, a minimum 3-foot clearance from windows, doors, and any ventilation openings is specified.

Ventilation is typically done through the use of an air inlet, air outlet/exhaust fan, and/or other ventilation openings. When ever possible, face the generator air inlet openings away from the wind. The wind ...

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