

# Generator set inlet and exhaust air silencer calculation



## Overview

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Learn how to calculate air intake and exhaust volumes in diesel generator rooms, including key parameters for air-cooled and water-cooled systems.

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Silencer manufacturers should be able to provide, upon request, a silencer performance chart with supporting calculations that includes an overall insertion loss value (dBA) and predicted back

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## 9.5.8 Diesel Generator Air Intake and Exhaust System

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.

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## [Diesel Generator Exhaust System Design Guide -](#)

Design safe, quiet exhaust systems for diesel generators. Control noise, back-pressure, and heat with proper sizing, routing, and silencer selection.

## [Design of Air Inlet and Exhaust Route in Diesel](#)

When designing the air intake and exhaust of diesel generator room, we should pay attention to the matters which mentions in this article.



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