

What is AMCA?

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Dayton

Do you
know what
this seal
means?



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The Need ...

Air performance is critical to good HVAC system design

An HVAC system needs to be accurately calculated to determine proper fan sizing



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AMCA is ...

- A state-of-the-art testing laboratory
 - An information source
 - Publications and Standards
 - Seminars and services
 - A focal point for ethical practices
- “The AMCA Certified Ratings Program”*

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Levels of Published Air Performance

- **No Air Performance**
- **Air Performance**
 - In accordance with AMCA Standards
- **Air Performance**
 - In accordance with AMCA Standards
 - On an accredited chamber
 - AMCA Licensed
- **Air and Sound Performance**
 - In accordance with AMCA Standards
 - On an accredited chamber
 - AMCA Licensed

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Certified Ratings Program Seals



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AMCA Check Tests

- Prototype follow-up
- 36 month manufacturing check
- We send 1 check test a week

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Challenge Test

- Data submittal (AMCA registered lab)
- Confirmation check test (pass or failed)
- If test failed, the manufacturer is given 6 months to rectify

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Fan Testing Types

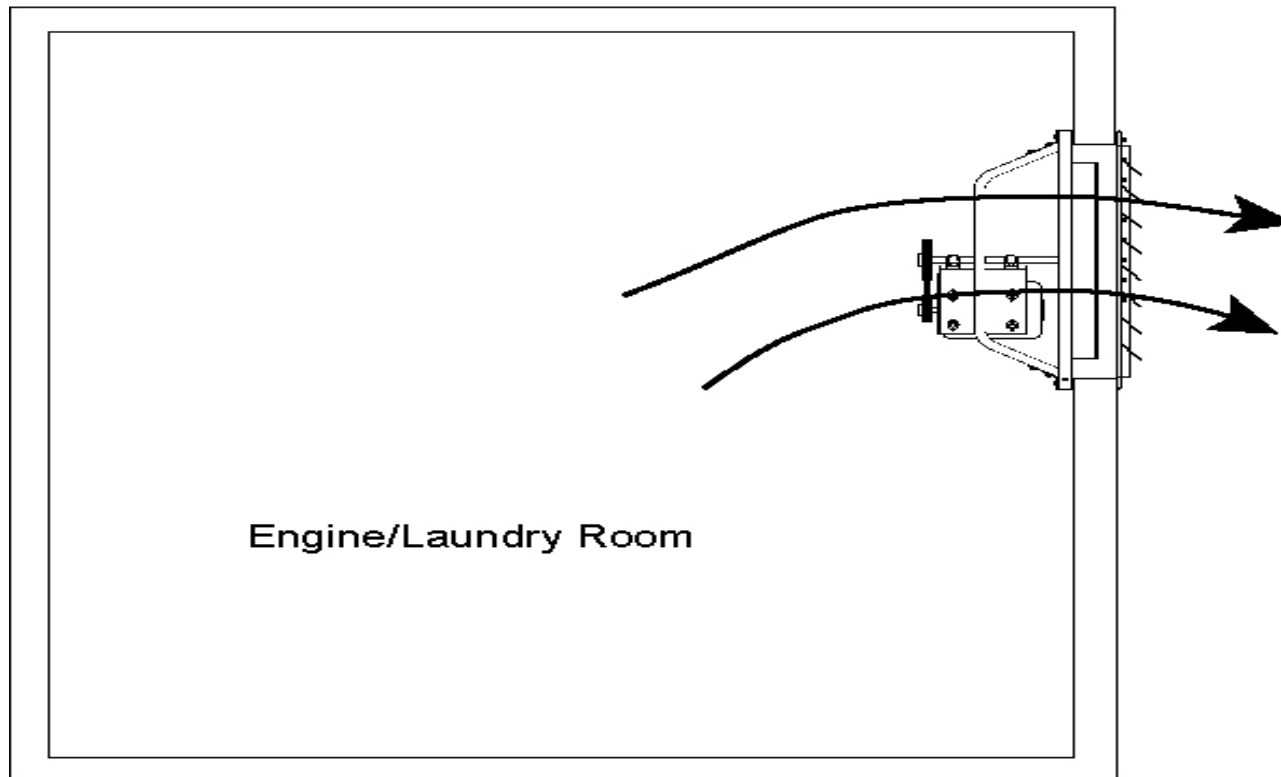
- Test arrangement - *shown below cataloged performance data*
 - “Performance shown is for Type A, Free inlet, Free outlet”
 - “Performance shown is for Type B, Free inlet, Ducted outlet”
 - “Performance shown is for Type C, Ducted inlet, Free outlet”
 - “Performance shown is for Type D, Ducted inlet, Ducted outlet”

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Typical Commercial Ventilation

Free inlet, Free outlet (Type A)

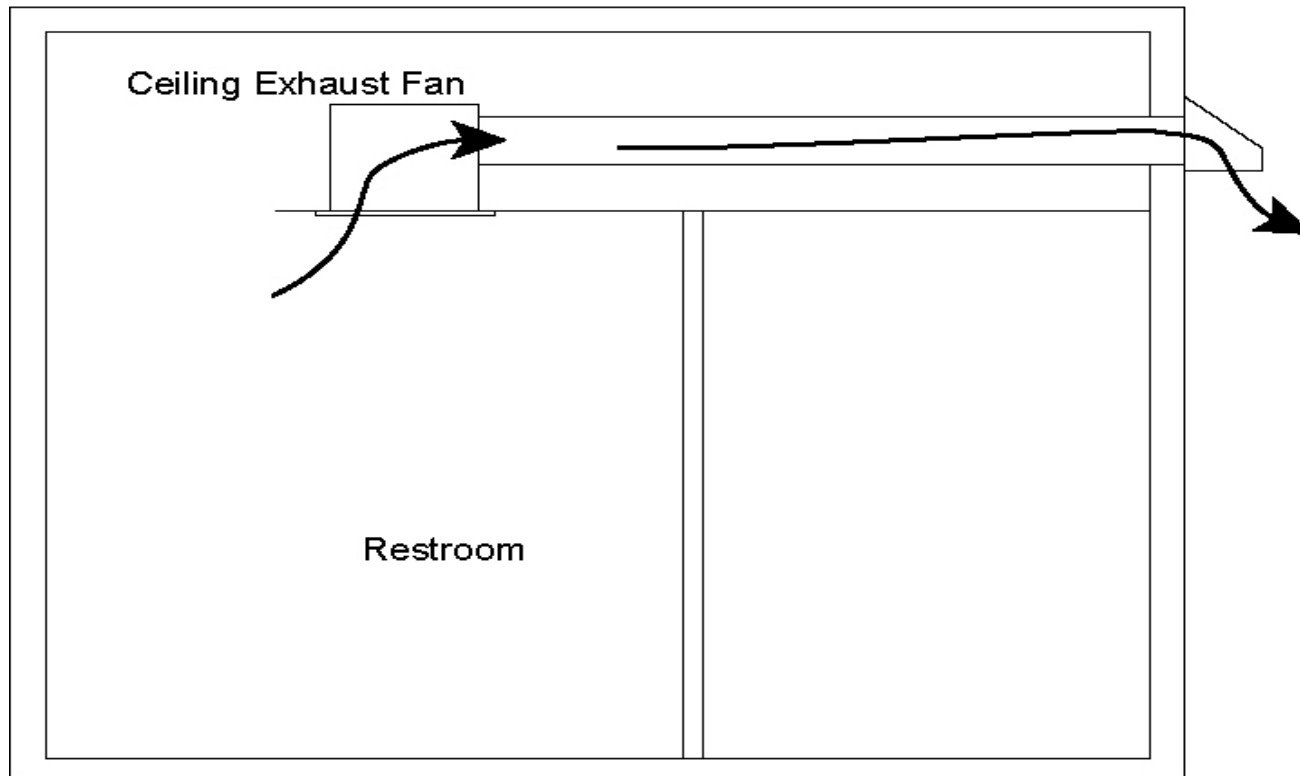


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Typical Commercial Ventilation

Free inlet, Ducted outlet (Type B)

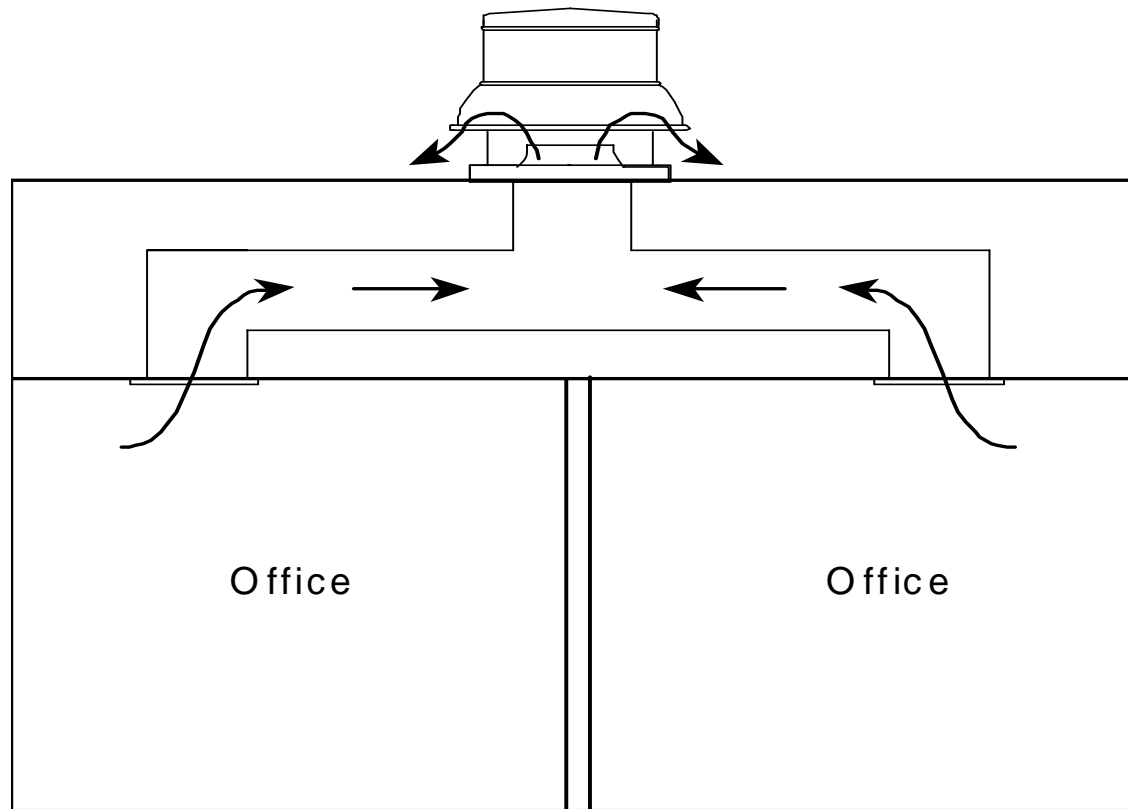


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Typical Commercial Ventilation

Ducted inlet, Free outlet (Type C)

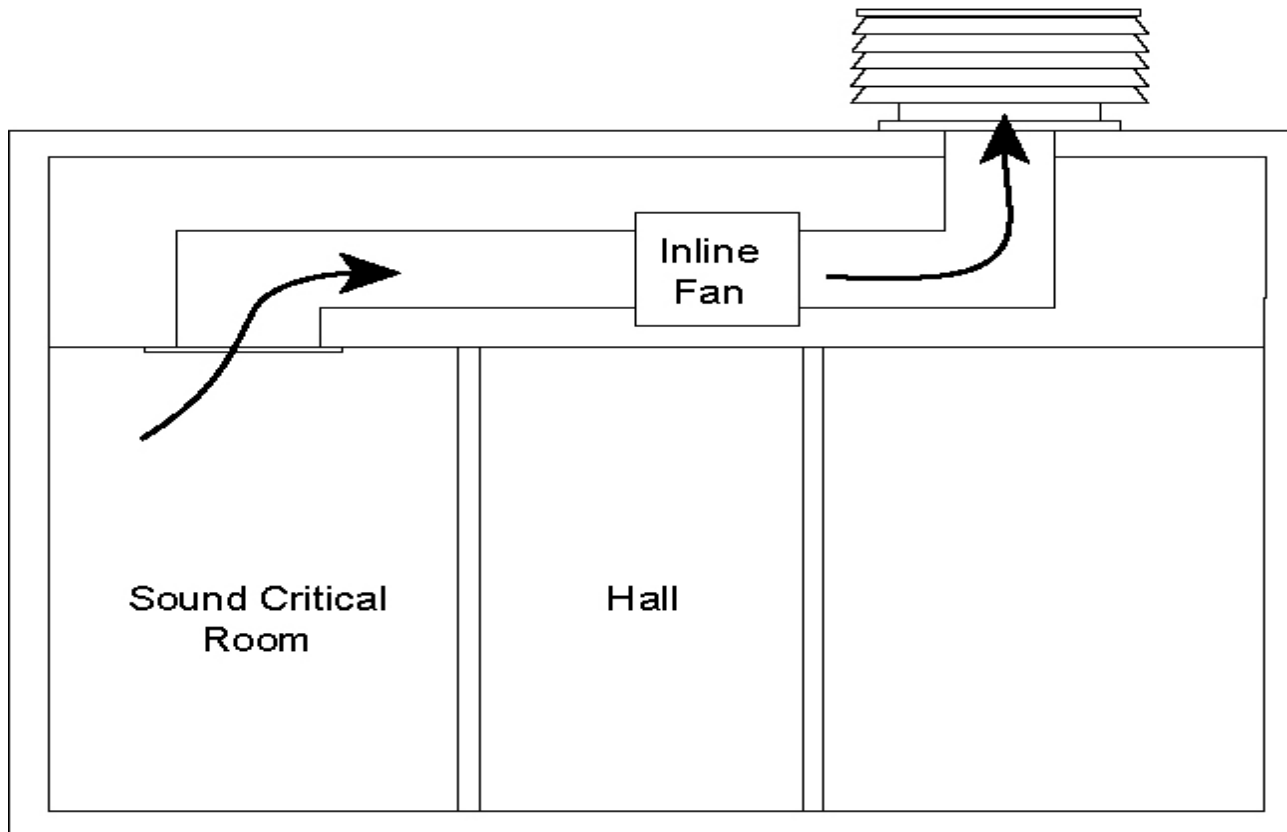


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Typical Commercial Ventilation

Ducted inlet, Ducted outlet (Type D)



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