

SILENCER APPLICATION SOLUTIONS

PROBLEM:

Unacceptable installed performance.

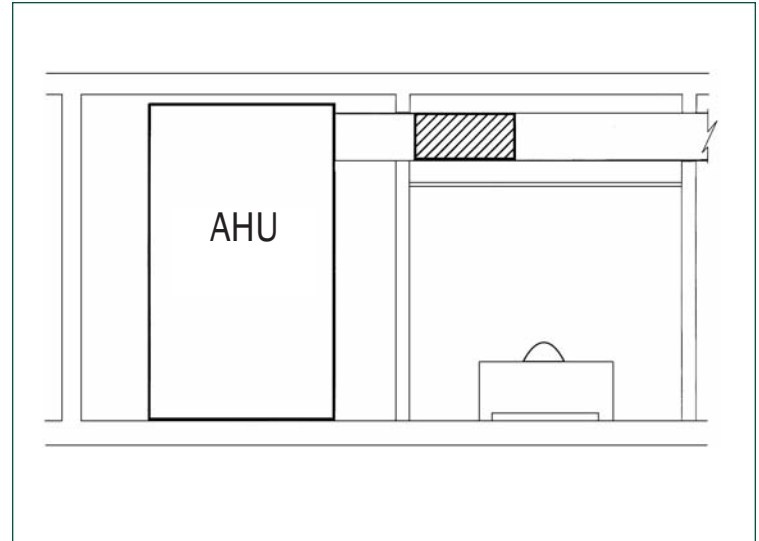
◆ Product ratings generated in a controlled, ideal laboratory test environment help the user evaluate one product against another. However, it may be much more important to determine how the product will actually perform as part of a system under real conditions.

SOLUTION:

Mock-up testing.

◆ A carefully performed mock-up test can closely predict actual installed performance. Considering the industry accepted variations in test standards of components such as fans, air handling units, silencers, terminal devices, etc., especially at low frequencies (63Hz and below), mock-up testing could be cost effective. Possible benefits include:

- reduce or eliminate costly engineering safety factors and possible over-design
- ensure performance on multiple identical or similar systems
- ensure performance on systems for critical projects



Air handling unit / silencer combination mock-up to simulate office space next to mechanical room. Critical noise path was breakout through duct over office. Project contractors supplied actual ductwork and ceiling system.