

Purpose of Test

The purpose of the test was to determine the effect on static pressure when the one damper is closed from 0 to 50% to force more airflow through the second damper that remained fully open.

Test Results

As Damper2 was gradually closed from 100% open to 50% open the static pressure increased from .30 to .34 inches of pressure.

Test Setup

A Carrier 5T unit was used for testing and operated at high speed of 1025 RPM. Pressure was measured using a XXXX pressure gage. Each damper run off the plenum was about 25 feet. Damper1 remained fully open while Damper2 was varied from fully open to 50% open.

