

## Purpose of Test

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

## Test Setup

A Carrier 5T unit was used for testing and operated at high speed of 1025 RPM, 910 RPM in medium speed and 820 RPM in low speed. Fan current was measured using a digital ampere/power meter. Each damper run off the plenum was about 25 feet. Damper1 remained fully open while Damper2 was varied from fully open to 50% open.

## Test Results

As Damper2 was gradually closed from 100% open to 50% in high speed the fan current varied from 12.0 to 12.2 Amps.

In medium speed the current varied from 10.5 to 10.7 Amps.

In low speed the current varied from 9.6 to 9.8 Amps.

