

November Troubleshooting Problem

QUESTION: After evaluating the performance of this system, what have you determined about the airflow in this equipment, and what are possible solutions to the problem?

ANSWER: We have determined that the indoor airflow is insufficient. The manufacturer's performance data chart showed that the proper static pressure measurement for a 1,200 cfm system should be 0.02 and our test showed that, with a 0.41 pressure, the amount of air being moved through the air handler is only 1,000 cfm.

Possible issues that could be responsible for the insufficient airflow are:

- Return system too small
- Supply registers are not properly sized
- Restrictions in the supply duct system