

Air Balance Diagnostic Test

The average home in the DFW area has air conditioning systems operating at an average of 50% to 70% capacity. The single biggest factor in high utility bills is poor system design & installation. An air balance diagnostic test identifies the design & installation problems and provides a baseline for measuring improvements. Typical problems identified include:

- Insufficient return air capacity.
- Duct leakage.
- Excessively hot attic.
- Insufficient insulation.
- Faulty design assumptions.
- Poor design.
- Poor workmanship.
- Mismatched equipment.

An air balance diagnostic test consists of 3 phases.

The first phase takes place in your home and lasts 4 or more hours depending on the complexity of your home. (ie. Number of systems, number of stories)

This phase involves:

- Creating a floor plan of the conditioned space in your home.
- Measuring the actual performance of your air distribution system.

The second phase takes place in our office and involves:

- Creating a CAD drawing of your floor plan.
- Doing a room by room heat load calculation.
- Selecting the proper sized equipment to satisfy your heat load.
- Designing an air distribution system suitable to your needs.

The final phase takes place in your home and involves:

- Explaining the results of the test.
- Discussing your options.
- Deciding what course of action to take.

An air balance diagnostic test costs:

- \$300 single floor single system.
- \$150 each additional system.
- \$150 each additional floor.
- Rebated with purchase of equipment.