

# Thermal Analysis



Visteon can evaluate the performance of automotive climate control systems using Evaporator, Heater, Airflow, and Development (EHAD) test stands. By supplying hot water to the heater core, and refrigerant to the evaporator core, these stands enable the evaluation of the entire air handling system for temperature stratification and airflow performance. EHAD stands are also capable of supplying conditioned air to the system being tested.

Subsystem test stands provide a worktable and variable speed drive motor to provide condenser fan cooling and evaporator load. System test rooms simulate actual vehicle conditions through a closed-loop environment designed to characterize the performance of a climate system in a controlled setting. Two environmentally controlled rooms independently vary temperature, humidity, flow and pressure through the test evaporator and condenser, providing evaluation of the system and individual components at stable and repeatable conditions throughout the range of operations.

- Evaporator, Heater, Airflow and Development (EHAD) Stands
- Thermolab System Test Stands
- Subsystem Test Stands (STS)
- System Test Rooms



## Visteon Corporation Test Operations

One Village Center Drive  
Van Buren Township, MI 48111  
Phone: 1-800-VISTEON  
E-mail: [testlabs@visteon.com](mailto:testlabs@visteon.com)  
URL: <http://www.visteon.com/testing>