

BASE Buildings Test Space HVAC Characteristics: Overall Types of Central Air Handling and Distribution Systems

Overall Types of Central Air Handling and Distribution Systems	Number of Test Space Air Handlers
Constant Air Volume (CAV)	50
Variable Air Volume (VAV)	91
Total Number of Test Space Air Handlers	141

Notes:
The database describes various system types, where each type is defined based on its operating characteristic. This table was generated by summarizing the various system types based on whether the system operated at a constant air volume, or variable air volume.

Variable Descriptions:

Overall Types of Central Air Handling and Distribution Systems shows a breakdown of the overall BASE test space air handling unit types. These include air handling units that operate as constant air volume (CAV) systems and air handling units that operate as variable air volume (VAV) systems. CAV systems deliver a constant volume of supply air to zones served and control space temperature by varying the temperature of the air delivered to the zone. VAV systems vary the volume of air delivered to the zone based on the thermal requirements of the zone. VAV system delivery temperature is generally constant.