

BASE Buildings Test Space HVAC Characteristics: Outdoor Air Intake Strategy

Outdoor Air Intake Strategy	Number of Buildings Reporting ¹
Conditioned Positive	11
Unconditioned Positive	10
Unconditioned Suction	46
Unconditioned Suction, No Duct	38
Total Number of Buildings Reporting	97

Notes:
¹This table describes the number of outdoor air intake strategies for 97 mechanically ventilated BASE building test spaces. Three naturally ventilated test spaces have been excluded. Note that some test spaces relied on more than one intake strategy. Therefore, column total will not equal the total number of buildings.

Variable Descriptions:

Outdoor Air Intake Strategy describes the outdoor air intake strategy used by the air handling systems serving the BASE test spaces. The following categories apply:

Conditioned Positive, a separate fan is used to bring in the required amount of outdoor air. The air is filtered, possibly dehumidified, and perhaps heated or cooled prior to being delivered to the air handler.

Unconditioned Positive uses a separate fan to bring in outdoor air, but this air is not treated before it is delivered to the air handler.

Unconditioned Suction draws outdoor air into the building through a separate duct by the suction induced by the supply fan. This air is not treated prior to its delivery to the air handler.

Unconditioned Suction with No Duct draws outdoor air directly into the air handler using supply fan suction.