



ADDENDA

**ANSI/ASHRAE Addendum a to
ANSI/ASHRAE Standard 127-2020**

Method of Testing for Rating Air-Conditioning Units Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces

Approved by ASHRAE and the American National Standards Institute on October 31, 2024.

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Cognizant TC: 9.9, Mission Critical Facilities, Technology Spaces, and Electronic Equipment

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Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum a to Standard 127-2020

Modify the title of the standard as follows.

Title: Method of Testing for Rating ~~Air Conditioning Units~~ Cooling Equipment Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces

Modify Section 1 as follows.

1. PURPOSE

The purpose of the standard is to establish a uniform ~~set~~ method of test requirements for rating ~~air conditioning units~~ cooling equipment that ~~are~~ is applied in data center (DC) and other information technology facilities, equipment (ITE) spaces, and equipment.

Modify Section 2 as follows.

2. SCOPE

2.1 This standard applies to classes of ~~air conditioning units~~ cooling equipment that are used ~~to air condition to remove thermal loads~~ in data center (DC) and other information technology ~~equipment facilities, (ITE)~~ spaces, and equipment. ~~Such units must be able to be tested using an air enthalpy method and facilitate heat transfer across at least one heat exchanger.~~

2.2 Exclusions

- a. Rating of individual assemblies, such as condensing units
- ~~b. Cooling heat exchangers within ITE products~~
- e. Heat-operated equipment (e.g., adsorption and absorption devices)
- ~~b.~~ Heat-operated equipment (e.g., adsorption and absorption devices)
- ~~d.~~ Vapor compression variable-refrigerant flow serving multiple evaporators
- ~~c.~~ Vapor compression variable-refrigerant flow serving multiple evaporators
- e. Source cooling equipment (e.g., chiller units for either water or refrigerant)
- ~~d.~~ Source cooling equipment (e.g., chiller units for either water or refrigerant)

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As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

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ASHRAE · 180 Technology Parkway · Peachtree Corners, GA 30092 · www.ashrae.org

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