



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

**Public Review Draft**

**Proposed Addendum a to  
Standard 127-2020, *Method of  
Testing for Rating Air-Conditioning  
Units Serving Data Center (DC) and  
Other Information Technology  
Equipment (ITE) Spaces***

**First Public Review Draft (April 2024)  
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://www.ashrae.org/standards-research--technology/public-review-drafts) and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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**ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092**

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]*

## Addendum a to 127-2020

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*Modify the Title, Purpose and Scope as follows:*

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

### 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.~~

### 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~~b. Heat-operated equipment (e.g., adsorption and absorption devices)
- ~~e~~c. Vapor compression variable-refrigerant flow serving multiple evaporators
- ~~e~~d. Source cooling equipment (e.g., chiller units for either water or refrigerant)