



# STANDARD

**ANSI/ASHRAE Standard 203-2018 (RA 2021)**  
(Reaffirmation of ANSI/ASHRAE Standard 203-2018)

# Method of Test for Determining Heat Gain of Office Equipment Used in Buildings

Approved by ASHRAE and the American National Standards Institute on June 30, 2021.

ASHRAE® Standards are scheduled to be updated on a five-year cycle; the date following the Standard number is the year of ASHRAE approval. The latest edition of an ASHRAE Standard may be purchased on the ASHRAE website ([www.ashrae.org](http://www.ashrae.org)) or from ASHRAE Customer Service, 180 Technology Parkway NW, Peachtree Corners, GA 30092. E-mail: [orders@ashrae.org](mailto:orders@ashrae.org). Fax: 678-539-2129. Telephone: 404-636-8400 (worldwide) or toll free 1-800-527-4723 (for orders in US and Canada). For reprint permission, go to [www.ashrae.org/permissions](http://www.ashrae.org/permissions).

© 2021 ASHRAE

ISSN 1041-2336



**ASHRAE Standard Project Committee 203**  
**Cognizant TC: 4.1, Load Calculations**  
**SPLS Liaison: Steven F. Bruning**

Glenn Friedman\*, *Chair*  
Mohammad H. Hosni\*, *Vice-Chair*  
Robert Doeffinger\*, *Secretary*

Drury B. Crawley\*  
Rolando Legarreta\*  
Guopeng Liu\*

Som S. Shrestha\*  
Christopher K. Wilkins\*

\* Denotes members of voting status when the document was approved for publication

---

**ASHRAE STANDARDS COMMITTEE 2020–2021**

Drury B. Crawley, *Chair*  
Rick M. Heiden, *Vice Chair*  
Els Baert  
Charles S. Barnaby  
Robert B. Burkhead  
Thomas E. Cappellin  
Douglas D. Fick  
Walter T. Grondzik  
Susanna S. Hanson  
Jonathan Humble

Srinivas Katipamula  
Gerald J. Kettler  
Essam E. Khalil  
Malcolm D. Knight  
Jay A. Kohler  
Larry Kouma  
Cesar L. Lim  
James D. Lutz  
Karl L. Peterman  
Erick A. Phelps

David Robin  
Lawrence J. Schoen  
Steven C. Sill  
Richard T. Swierczyna  
Christian R. Taber  
Russell C. Tharp  
Theresa A. Weston  
Craig P. Wray  
Jaap Hogeling, *BOD ExO*  
William F. McQuade, *CO*

Connor Barbaree, *Senior Manager of Standards*

---

**SPECIAL NOTE**

This American National Standard (ANS) is a national voluntary consensus Standard developed under the auspices of ASHRAE. *Consensus* is defined by the American National Standards Institute (ANSI), of which ASHRAE is a member and which has approved this Standard as an ANS, as "substantial agreement reached by directly and materially affected interest categories. This signifies the concurrence of more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that an effort be made toward their resolution." Compliance with this Standard is voluntary until and unless a legal jurisdiction makes compliance mandatory through legislation.

ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Senior Manager of Standards of ASHRAE should be contacted for

- a. interpretation of the contents of this Standard,
- b. participation in the next review of the Standard,
- c. offering constructive criticism for improving the Standard, or
- d. permission to reprint portions of the Standard.

---

**DISCLAIMER**

ASHRAE uses its best efforts to promulgate Standards and Guidelines for the benefit of the public in light of available information and accepted industry practices. However, ASHRAE does not guarantee, certify, or assure the safety or performance of any products, components, or systems tested, installed, or operated in accordance with ASHRAE's Standards or Guidelines or that any tests conducted under its Standards or Guidelines will be nonhazardous or free from risk.

---

**ASHRAE INDUSTRIAL ADVERTISING POLICY ON STANDARDS**

ASHRAE Standards and Guidelines are established to assist industry and the public by offering a uniform method of testing for rating purposes, by suggesting safe practices in designing and installing equipment, by providing proper definitions of this equipment, and by providing other information that may serve to guide the industry. The creation of ASHRAE Standards and Guidelines is determined by the need for them, and conformance to them is completely voluntary.

In referring to this Standard or Guideline and in marking of equipment and in advertising, no claim shall be made, either stated or implied, that the product has been approved by ASHRAE.

**CONTENTS**  
**ANSI/ASHRAE Standard 203-2018 (RA 2021)**  
**Method of Test for Determining Heat Gain of Office Equipment Used in Buildings**

<b>SECTION</b>	<b>PAGE</b>
Foreword .....	2
1 Purpose.....	2
2 Scope.....	2
3 Definitions .....	2
4 Nomenclature.....	3
5 Test Apparatus Specifications.....	3
6 Test Procedures.....	3
7 Reporting.....	3
Informative Appendix A: Bibliography .....	5
Normative Appendix B: Product Test Report Form .....	6

**NOTE**

**Approved addenda, errata, or interpretations for this standard can be downloaded free of charge from the ASHRAE website at [www.ashrae.org/technology](http://www.ashrae.org/technology).**

**© 2021 ASHRAE**

180 Technology Parkway NW · Peachtree Corners, GA 30092 · [www.ashrae.org](http://www.ashrae.org) · All rights reserved.

ASHRAE is a registered trademark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.  
ANSI is a registered trademark of the American National Standards Institute.