

New and Featured Publications

Your Purchasing Guide to the ASHRAE Bookstore



ACCURIS

Annual 2025

The ASHRAE Bookstore Offers

Formats to Fit Your Needs

In addition to the classic print and digital PDF options, the ASHRAE Bookstore offers multiple formats for custom single- and multi-user solutions.



Print + PDF: Make sure your preferred format is at your fingertips; the classic desk reference in print, plus anytime, anywhere access to the PDF. Buy together and save.



Redline: Identify standards additions, deletions, and updates in a fraction of the time. See at a glance exactly what changed to reduce implementation time and costs.

Multi-User Solutions



Multi-User PDF: Small teams are power users, too. Multi-user PDFs ensure access to everyone in your small firm at a reduced price.



Enterprise: Tame the cost and complexity of document management and give everyone in your organization access with a custom solution. For more information on Enterprise, see page 10.

ASHRAE has partnered with Accuris to provide members and customers with state-of-the-art web technologies that help you acquire, share and manage technical information.







The ASHRAE Handbook is published in a series of four volumes, one of which is revised each year, ensuring that no volume is older than four years.



2024 ASHRAE Handbook—HVAC Systems and Equipment

Product Code: (I-P) 81240, (SI) 81241

2023 ASHRAE Handbook—HVAC Applications

Product Code: (I-P) 81230, (SI) 81231

2022 ASHRAE Handbook—Refrigeration Product Code: (I-P) 81220, (SI) 81221

2021 ASHRAE Handbook—Fundamentals Product Code: (I-P) 81210, (SI) 81211

\$285 (Student Member \$65)

Also Available:

ASHRAE Pocket Guide for Air Conditioning, Heating, Ventilation, Refrigeration, Tenth Edition

Available in I-P and SI units, this tenth edition includes data from the 2021 ASHRAE Handbook and from ASHRAE Standards 15, 34, 55, 62.1, 62.2 and 90.1.

Product Code: (I-P) 90071, (SI) 90072

\$76 (ASHRAE Member \$57; Student Member \$29)



Members save 25%



Lucy's Engineering Adventure

Product Code: 90471 \$13.50 (ASHRAE Member \$10)



Lucy Goes Green

Product Code: 90483 \$13.50 (ASHRAE Member \$10)



Designing for Operational Excellence: Intentional Design for Effective Operation and Maintenance

Product Code: 90465 \$126 (ASHRAE Member \$95)



ASHRAE Design Guide for Air Terminal Units: Selection, Application, Control, and Commissioning

Product Code: 90571 \$105 (ASHRAE Member \$84)



ASHRAE Design Guide for **Cleanrooms**: Fundamentals, Systems, and Performance

Product Code: 90455 \$180 (ASHRAE Member \$135)



Cold-Climate Buildings Design Guide, 2nd ed.

Product Code: 90310 \$121 (ASHRAE Member \$91)



Combined Heat and Power Design Guide

Product Code: 90555 \$131 (ASHRAE Member \$98)



Commissioning Stakeholders' Guide

Product Code: 90307 \$89 (ASHRAE Member \$67)

SEE ALSO Guideline 0-2019 and Standard 202-2018, p. 11



ASHRAE Design Guide for **Cool Thermal Storage**, Second Edition

Product Code: 90410 \$131 (ASHRAE Member \$98)



ASHRAE Design Guide for **Dedicated** Outdoor Air Systems, Second Edition

Product Code: 90305 \$94 (ASHRAE Member \$70)



District Cooling Guide, Second Edition and Owner's Guide for Buildings Served by District Cooling

Product Code: 90565 \$202 (ASHRAE Member \$152)



Duct Systems Design Guide

Product Code: 90556 \$144 (ASHRAE Member \$109)



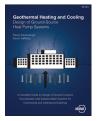
ASHRAE Duct Fitting Database Ver. 6.00.05

Product Code: D-94607 \$155 (ASHRAE Member \$116)



Procedures for Commercial Building **Energy Audits.** Second Edition

Product Code: 90450 \$146 (ASHRAE Member \$110) SEE ALSO Standard 211-2018, p.11



Geothermal Heating and Cooling: Design of Ground-Source Heat Pump Systems

Product Code: 90318 \$172 (ASHRAE Member \$129; Student Member: \$75)



ASHRAF GreenGuide: Design, Construction, and Operation of Sustainable Buildings, Sixth Edition

Product Code: 90335 \$115 (ASHRAE Member \$86;

Student Member: \$45)



HVAC Design Manual for Hospitals and Clinics. Second Edition

Product Code: 90550 \$172 (ASHRAE Member \$129) SEE ALSO

Standard 170-2021, p. 10



ASHRAE Guide for Buildings in Hot and **Humid Climates**, Second Edition

Product Code: 90442 \$155 (ASHRAE Member \$116)

Members save 25%



Humidity Control Design Guide for Commercial and Institutional Buildings

Product Code: 90421 \$224 (ASHRAE Member \$168)



Residential Indoor Air Quality Guide: Best Practices for Home Design, for Design, Construction Construction, Operation, and Maintenance

Product Code: 90458 \$167 (ASHRAE Member \$125)



The Indoor Air Quality Guide: Best Practices and Commissioning

Product Code: 90408 ashrae.org/freeiaqguidance



ASHRAE Design Guide for Natural Ventilation

Product Code: 90306 \$139 (ASHRAE Member \$104: Student Member: \$65)



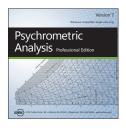
ASHRAE Design Guide for Tall, Supertall, and Megatall Building Systems, Second Edition

Product Code: 90135 \$167 (ASHRAE Member \$125)



ASHRAE Design Guide for Multifamily Residential Buildings

Product Code: 90406 \$109 (ASHRAE Member \$81)



Psychrometric Analysis CD Version 7

Product Code: 94915 \$314 (ASHRAE Member \$236)



ASHRAF Guide for **HVAC** in Hazardous **Spaces**

Product Code: 90475 \$41 (ASHRAE Member \$33)



Smart Grid Application Guide

Product Code: 90479 \$111 (ASHRAE Member \$83)



UFAD Guide and O&M Guide Set

Product Code: B90452 \$139 (ASHRAE Member \$104)



HVAC Fast Facts (I-P)

Product Code: 40306 \$13 (ASHRAE Member \$10)





Air-ConditioningSystem Design Manual, Third Edition

Product Code: 90340 \$125 (ASHRAE Member \$94; Student Member: \$49)



High-Performance Buildings Simplified

Product Code: 90467 \$139 (ASHRAE Member \$104; Student Member: \$54)



HVAC Simplified

Product Code: 90439 \$105 (ASHRAE Member \$79; Student Member: \$42)



Load Calculation Applications Manual, Second Edition

Product Code: (I-P) 90662, (SI) 90664 \$159 (ASHRAE Member \$119; Student Member: \$63)



Principles of Heating, Ventilating and Air Conditioning, Ninth Edition

Product Code: 90572 \$153 (ASHRAE Member \$114; Student Member: \$60)



Understanding **Psychrometrics**, Third Edition

Product Code: 90167 \$132 (ASHRAE Member \$99; Student Member: \$52)



ASHRAE Technology Portal

Search ASHRAE's vast information archive

Member access to ASHRAE Journal articles and ASHRAE Research Reports. Other content on a subscription basis.

ashrae.org/technologyportal







TC 9.9 Datacom Encyclopedia

https://datacom.ashrae.org





Access all four ASHRAE Handbook volumes across your devices with

ASHRAE Handbook Online

Members may qualify for special discounts.

ashrae.org/handbookonline

The fully interactive ASHRAE Handbook Online offers all the content of the 3,600-page ASHRAE Handbook series, plus supplemental features like spreadsheets, video clips, interactive equations and links to related data from ASHRAE and other web resources.

- Access anywhere, whether in your office, at home, or on the job site. No need to carry books or CDs. Just log in wherever you are.
- Updated content between print revisions. If an ASHRAE Technical Committee provides an update before the new volume is released, you'll get it right away.
- Ease of use means a powerful, flexible search, plus full copy and print functions for your project records.

Engineering Workbench Professional

A World of Technical Information for Every Member of Your Team

Engineering Workbench Professional by Accuris, is the leading platform for standards, codes, and regulations management, combining 60 years of industry experience and cutting-edge AI technology. Get web-based access to ASHRAE and other industry publications and create a custom digital collection for your library, government agency, consulting firm, research organization, university or corporation.

Collections

- ASHRAE Standards and Guidelines
- ASHRAE Handbook
- ASHRAE Design Guides
- Datacom Series
- Additional content from ASHRAE and other world-leading standards authorities: ASTM, ICC, NFPA, ASME, ASSE, IEEE, SMACNA and others

Request a Quote Today

https://accuristech.com/contact/sales/







Standard 100-2024

Energy and Emissions Building Performance Standard for Existing Buildings (ANSI/IES Approved)

Product Code: 86901 \$132 (ASHRAE Member: \$99)



Standard 241-2023

Control of Infectious Aerosols

Product Code: 86883 \$105 (ASHRAE Member: \$79)



Standard 15-2022 Safety Standard for Refrigeration Systems

Standard 34-2022

Designation and Safety Classification of Refrigerants

Packaged Set; Product Code: 86306 \$178 (ASHRAE Member \$133)



Standard 62.1-2022

Ventilation and Acceptable Indoor Air Quality

Product Code: 86308

\$140 (ASHRAE Member \$105; Student Member: \$55)



Standard 62.1 User's

Manual

Product Code: 90163 \$104 (ASHRAE Member \$78)



Standard 62.2-2022

Ventilation and Acceptable Indoor Air Quality in Residential Buildings

Product Code: 86238 \$140 (ASHRAE Member \$105)



Standard 62.2 User's

Manual

Product Code: 90147 \$80 (ASHRAE Member \$60)



Standard 90.1-2022

Energy Standard for Buildings Except Low-Rise Residential Buildings



Standard 90.1-2019

User's Manual

Product Code: 90303 \$155 (ASHRAE Member: \$116)

Product Code: (I-P) 86327, (SI) 86329 \$198 (ASHRAE Member \$149; Student Member: \$78)

10



Standard 90.4-2022 Energy Standard for Data Centers

Product Code: 86237 \$178 (ASHRAE Member \$133)

Legionellosis:

Risk Management for Building Water Systems



Standard 55-2023

Thermal Environmental Conditions for Human Occupancy (ANSI Approved)

Product Code: 86897 \$167 (ASHRAE Member: \$125)



Standard 228-2023

Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance (ANSI Approved)

Product Code: 86533 \$105 (ASHRAE Member \$79)



Standard 188-2021

Legionellosis: Risk Management for Building Water Systems

Product Code: 86646 \$105 (ASHRAE Member \$79)



Guideline 12-2023

Managing the Risk of Legionellosis Associated with Building Water Systems

Product Code: 86878 \$105 (ASHRAE Member: \$79)

Standard 135-2020 BACnet—A Data

Communication Protocol for Building Automation and Control Networks

Product Code: D-86445 \$132 (ASHRAE Member \$99)



Standard 202-2018

Commissioning Process for Buildings and Systems

Product Code: 86622 \$105 (ASHRAE Member \$79)



Guideline 0-2019

The Commissioning Process

Product Code: 86856 \$105 (ASHRAE Member \$79) SEE ALSO Commissioning Stakeholders Guide, p.3



Standard 211-2018 (RA2023)

Standard for Commercial Building Energy Audits (ANSI Approved)

Product Code: 86884 \$105 (ASHRAE Member \$79)



ASHRAE Technology Portal

Search ASHRAE's vast information archive

Member access to ASHRAE Journal articles and ASHRAE Research Reports. Other content on a subscription basis.

www.ashrae.org/technologyportal





ASHRAE Duct Fitting Database 6.00.05

Annual subscription to this database includes cloudbased access to loss coefficient tables for more than 200 round, rectangular and flat oval duct fittings.

www.ashrae.org/dfdb



Science and Technology for the Built Environment

Online Subscriptions Available for ASHRAE Members

ASHRAE offers free online access and reduced print subscription rates to ASHRAE members. Log in as a member on ASHRAE.org to gain access. Subscriptions are also available in a print plus online format.

Online Subscribers Receive:

- Unlimited online access to the downloadable version of the current issue
- Online access to all previous issues, dating back to the journal's inception in 1995
- Free for ASHRAE members

Print Subscribers Receive:

- All of the above, plus semiannual print editions (June and December) for a small subscription fee
- Contact Customer Service or go to ASHRAE.org/ STBE for member options



For more information and to register, visit ashrae.org/onlinecourses

Resellers, please call or visit ashrae.org/bookstore for book ISBN.

Prices subject to change without notice.

to sharpen your skills.

Earn PDHs with Self-Directed Learning



Fundamentals of Building Operation, Maintenance and Management

Product Code: 98021 \$199 (ASHRAE Member \$150)



Fundamentals of Design and Control of Central Chilled-Water Plants

Product Code: (I-P) 98014. (SI) 98016 \$199 (ASHRAE Member \$150)



Fundamentals of **Heating** and Cooling Loads

Product Code: (I-P) 98045 \$199 (ASHRAE Member \$150)



Fundamentals of Psychrometrics, Second Edition

Product Code: (I-P) 98048, (SI) 98049 \$199 (ASHRAE Member \$150)



Fundamentals of Refrigeration, Second Edition

Product Code: (I-P) 98044, (SI) 98046 \$199 (ASHRAE Member \$150)



Fundamentals of Steam System Design

Product Code: (I-P) 98030 \$199 (ASHRAE Member \$150)



Fundamentals of Water System Design, Second Edition

Product Code: (I-P) 98020. (SI) 98035 \$199 (ASHRAE Member \$150)

Companion Readers for eLearning



Fundamentals of **HVAC Control Systems HVAC Systems**

Product Code: (I-P) 90551, (SI) 90552



Fundamentals of

Product Code: (I-P) 90448, (SI) 90449 \$199 (ASHRAE Member \$150) \$174 (ASHRAE Member \$131)



Value of ASHRAE Certification

Career Opportunity

- "Since earning my ASHRAE Certification, my credibility in the eyes of my colleagues and supervisor has increased (69%)."
- "My ASHRAE certification has helped improve my career opportunities (60%)."
- "My ASHRAE Certification has led to additional business opportunities (54%) for my company."

Earning Power

"Now that I hold an ASHRAE Certification, my earning power has increased (43%)."

Job Satisfaction

- "Holding an ASHRAE Certification gives me greater job satisfaction (81%)."
- "In my field, ASHRAE Certification has provided me with greater recognition (72%)."

Employees- download an Executive Summary of survey results today.

ashrae.org/certification



NEW!















Recruiters - place your open jobs in front of our highly qualified members!

- Search hundreds of jobs
- Post anonymous resumes
- Ask career experts' advice
- Get job alerts
- Have your resume critiqued

START NOW!

ashrae.org/jobs

STANDARD

ANSI/ASHRAE/IES Standard 100-2024 (Supersedes ANSI/ASHRAE/IES Standard 100-2018) Includes ANSI/ASHRAE/IES addenda listed in Appendix P

Energy and Emissions Building Performance Standard for Existing Buildings

See Informative Appendix P for approval dates by ASHRAE, the Illuminating Engineering Society, and the American National Stat dards Institute.

This Standard is under continuous maintenanous by a Standing Standard Project Commistites (SSPC) for which the Standard Commistee has established a documented programs for register policitation of addendar or residence, including processor fainties, documented, consensus action on requests for change to any part of the Standard. Instructions for how to submit change can be found on the ASS-BATCM evolution (view within a confidence in-maintenance).

The latest edition of an ASHRAE Standard may be purchased from the ASHRAE website (www.ashrae.org) or from ASHRAE (ususerne Service, 180 Technology Parkway, Peadriere Corners, GA 10079; E-mail: orders/@ashrae.org, Fax-678-539-1279. Telephone: 404-518-8400 (worldwide), or toll free I-800-527-4723 (for orders in US and Canada). For register corresions, go to www.ashrae.org/permissions.

D 2024 ASHRAE ISSN 1041-2336



le, figure, or equation to jump to its location. Return to the previous page via th limark menu.



s to jurisdiction-specific Pretriodologies









95+ Courses on a wide range of HVAC&R topics | 12-month subscription

ASHRAE eLearning offers:

- A professional development program that ensures you and your employees receive top-notch training and stay current with essential HVAC&R subjects.
- A convenient way of earning Professional Development Hours (PDHs) for certification and license renewals.
- Training at your fingertips, available 24/7 without the need for special software.
- Access to a certificate of completion, transcript, and performance reports for your employees.

Scan the QR code to check out full catalog



Website: myelearning.ashrae.org | Email: elearning@ashrae.org | United States - (678) 539-1105 & Worldwide - 1-800 - 678-539-1105