

# **Audel Heating Ventilating And Air Conditioning Library Heating Fundamentals Furnaces Boilers Boiler Conversions**

Popular Science Monthly Heating, Ventilating, and Air Conditioning Library: Oil, gas, and coal burners, controls, ducts, piping, valves Audel Welding Pocket Reference HVAC Level 1 Trainee Guide HVAC Troubleshooting Guide Audel Plumbers Pocket Manual HVAC Simplified Air Conditioning Principles and Systems No Ducks in the Attic Control Systems and Applications for HVAC/R (with 3 Disks) Heating Ventilating Air Conditioning Guide 1947 HVAC Systems Design Handbook HVAC Licensing Study Guide, Third Edition HVAC Level 2 Trainee Guide Audel HVAC Fundamentals Fundamentals of HVAC CRAudels Carpenters and Builders Guide #1-4 Heating, Ventilating, and Air Conditioning Library Audel Electrical Course for Apprentices and Journeymen Fundamentals of HVAC Control Systems Geothermal HVAC Newnes Building Services Pocket Book HVAC Control in the New Millennium Audel Questions and Answers for Plumbers' Examinations Audel HVAC Fundamentals, Volume 3 Audels Plumbers and Steam Fitters Guide: Pipe fitting. Heating. Ventilation. Code regulations Modern Hydronic Heating: For Residential and Light Commercial Buildings Audel Heating, Ventilating and Air Conditioning Library Audel HVAC Fundamentals Audel Complete Building Construction Basic Refrigeration and Air Conditioning Fundamentals of HVAC Systems Audel HVAC Fundamentals HVAC Design Sourcebook HVAC/R Professional Reference Audel HVAC Pocket Reference Audels Engineers and Mechanics Guide Audel Air Conditioning Home and Commercial McGraw-Hill's HVAC Licensing Study Guide Audel HVAC Fundamentals, Volume 1

## **Popular Science Monthly**

Everything that new HVAC & R engineers will be expected to learn, from the leading industry body - ASHRAE.

## **Heating, Ventilating, and Air Conditioning Library: Oil, gas, and coal burners, controls, ducts, piping, valves**

## **Audel Welding Pocket Reference**

ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from

sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- Created with a clear-cut vision of necessary knowledge, this groundbreaking text provides comprehensive coverage of heating, ventilating, air conditioning, and refrigeration. Lauded as a reader-friendly text that delivers fundamental concepts, the most current trends, and practical applications with simple language and skillfully presented concepts, Fundamentals of HVACR, 2nd edition boasts carefully selected artwork and the right amount of detail. This book is everything readers need to know to install, service, and maintain HVACR systems.

## **HVAC Level 1 Trainee Guide**

Annotation This book provides a thorough introduction and a practical guide to the principles and characteristics of controls, and how to apply them in the use, selection, specification and design of control systems.

## **HVAC Troubleshooting Guide**

## **Audel Plumbers Pocket Manual**

What's the best way to study? The best guarantee of exam success is to know the material and be prepared for the questions you're likely to encounter. This book provides hundreds of questions and answers to help you review, tips for more productive studying, advice on how to approach the exam, a valuable chapter that outlines state licensing requirements for apprentice, journeyman, master, and inspector, and more—all designed to help you face the license exam with confidence.

- \* Study plumbing drawings, material takeoff procedures, and typical system layouts
- \* Check your knowledge of plumbing mathematics
- \* Understand what plumbing installation inspections involve
- \* Become familiar with regulations for both the uniform and international codes
- \* Review residential trailer plumbing standards and private sewage treatment facilities
- \* Refresh your understanding of steam and hot water heating procedures
- \* Study the specific licensing requirements for your state and your experience level

## **HVAC Simplified**

## **Air Conditioning Principles and Systems**

THE DEFINITIVE GUIDE TO HVAC DESIGN This practical manual describes the HVAC system design process step by step using photographs, drawings, and a discussion of pertinent design considerations for different types of HVAC components and systems. Photographs of HVAC components in their installed condition illustrate actual size and proper configuration. Graphical representations of the components as they should appear on construction drawings are also included. Learn how to design HVAC systems accurately and efficiently from this detailed resource. HVAC DESIGN SOURCEBOOK COVERS: The design process HVAC load calculations Codes and standards Coordination with other design disciplines Piping, valves, and

specialties Central plant equipment and design Air system equipment and design  
Piping and ductwork distribution systems Terminal equipment Noise and vibration  
control Automatic temperature controls Construction drawings

## **No Ducks in the Attic**

The purpose of this series is to provide the layman with an introduction to the fundamentals of installing, servicing, and repairing the various types of equipment used in residential heating, ventilating, and air conditioning systems.

## **Control Systems and Applications for HVAC/R (with 3 Disks)**

1-Heat, Ventilation and Damper Control Trends2-Energy and Power Management, Distributed Control Trends3-Control Technology, Microelectronics and Nanotechnology4-Advance HVAC Control, Information Technology and Open Systems5-PC-based Control, Software and Bus Trends6-Artificial Intelligence, Fuzzy Logic and Control7-Computer Networks and Security8-Systems and Device Networks9-Building automation, Wireless Technology and the InternetIndex

## **Heating Ventilating Air Conditioning Guide 1947**

From simple applications to multi-load / multi-temperature systems, learn how to use the newest and most appropriate hydronic heating methods and hardware to create system the deliver the ultimate in heating comfort, reliability, and energy efficiency. Heavily illustrated with product and installation photos, and hundreds of detailed full-color schematics, MODERN HYDRONIC HEATING, 3rd EDITION is a one-of-a-kind comprehensive reference on hydronic heating for the present and future. It transforms engineering-level design information into practical tools that can be used by technical students and heating professional alike. This revised edition features the latest design and installation techniques for residential and light commercial hydronic systems including use of renewable energy heat sources, hydraulic separation, smart circulators, distribution efficiency, thermal accumulators, mixing methods, heat metering, and web-enabled control methods. Everyone involved in the heating trade will benefit from this preeminent resource of the North American heating industry. It is well-suited for use in a formal education course, self-study, or as an on the job reference. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

## **HVAC Systems Design Handbook**

Here's the real plumber's friend This fully revised guide gives you plumbing essentials, illustrations, tips, shortcuts - the lowdown on brazing, soldering, pipe fittings, commercial water coolers, automatic bathroom systems, and more. All this and much more \* Includes tables, diagrams, and working drawings \* Provides necessary math and metric information \* Features a chapter on dental office plumbing \* Explains and identifies the right plumbing tools for each job \* Illustrates appropriate vents and venting methods \* Covers the Sloan flush valve, Oasis water coolers, the Sovent system, 1.6-gallon flush toilets, and solar system water heaters

\* Useful for homeowners as well as plumbing professionals

## **HVAC Licensing Study Guide, Third Edition**

In-depth, practical details on geothermal HVAC systems This definitive guide covers commercial and residential geothermal heating, ventilation, and air conditioning technologies and explains how to take advantage of their money- and energy-saving features. Geothermal HVAC: Green Heating and Cooling reviews the array of choices currently available, offers market values for systems based on varying options and conditions, and describes how to pair the best systems for each application and budget. Whether you're a contractor or a consumer, you'll find out what you need to know to implement a geothermal HVAC system in a retrofit or new construction project, and start benefiting from this sustainable, affordable technology. Find out how to: Learn the basic types of heat transfer--convection, conduction, and radiation Understand how geothermal earth-coupled heat pumps work Determine which ground loops to use for earth coupling to best meet the demands of the site Use load sharing to channel the heat differential of one device into useful energy for another Calculate system efficiencies and heat gain and loss Understand geothermal project proposals and system pricing Benefit from incentives, tax credits, and rebates for geothermal HVAC systems Calculate your long-term return on investment Verify that your installed system is working as intended Troubleshoot your system and avoid common problems

## **HVAC Level 2 Trainee Guide**

Spend your study time wisely As you advance from student to apprentice to journeyman status, you log a lot of study hours. Make the most of those hours with this fully updated, sharply focused self-study course. It contains everything you need to know about electrical theory and applications, clearly defined and logically organized, with illustrations for clarity and review questions at the end of each chapter to help you test your knowledge. \* Understand electron theory and how electricity affects matter \* Recognize applications for both alternating and direct current \* Comprehend Ohm's Law and the laws governing magnetic circuits \* Learn from detailed drawings and diagrams \* Explore trigonometry and alternative methods of calculation \* Identify instruments and measurements used in electrical applications \* Apply proper grounding and ground testing, insulation testing, and power factor correction

## **Audel HVAC Fundamentals**

### **Fundamentals of HVACR**

Keep it cool or heat things up This third volume of Audel's HVAC Library gives you a comprehensive, hands-on guide to installing, servicing, and repairing all basic air-conditioning systems in both new and older construction. You'll also find complete coverage of specialized heating units--radiators, radiant heating systems, stoves, fireplaces, heat pumps, and indoor/outdoor pool heaters, plus fans, exhaust

systems, air filters, and more. It's what you need to complete your HVAC reference library. \* Make accurate calculations for AC system output \* Tailor AC systems for older construction \* Learn to install and service today's popular electronic air cleaners and filters \* Service less common heating systems such as coal-fired furnaces \* Install, maintain, and repair humidifiers and dehumidifiers \* Handle radiators, convectors, and baseboard heating units

## **Audels Carpenters and Builders Guide #1-4**

A reference you'll warm up to From the background and basics of heating systems to the newest chip-based technology, this first volume of Audel's HVAC Library gives you comprehensive information you need on the job. Whether you're installing, servicing, repairing, or troubleshooting an old or new heating system, you'll find what you're looking for, from wood and coal furnace maintenance to new calculations and the latest environmental technologies and regulations. \* Review the basics of installation, wiring, and troubleshooting for different HVAC systems \* Choose the correct system for the space, climate, and needs \* Compare the economy and efficiency of various fuel types \* Install, maintain, and troubleshoot conversion units \* Find formula cross references, data tables with conversions, and listings of trade organizations and equipment manufacturers

## **Heating, Ventilating, and Air Conditioning Library**

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

## **Audel Electrical Course for Apprentices and Journeymen**

HVAC Simplified (zip file) This text provides an understanding of fundamental HVAC concepts and how to extend these principles to the explanation of simple design tools used to create building systems that are efficient and provide comfortable and healthy environments. The text contains twelve chapters that review the fundamentals of refrigeration, heat transfer, and psychrometrics. Information from the ASHRAE Handbook "Fundamentals" is summarized and supplemented with items from industry sources. The remaining chapters assemble information from ASHRAE Handbooks, ASHRAE standards and manufacturer data present design procedures commonly used by professional engineers. Other topics include equipment selection and specification, comfort and IAQ, building assemblies, heating and cooling loads, air distribution system design, water distribution system design, electrical and control systems, design for energy efficiency, and design for

economic value. A suite of complementary spreadsheet programs that incorporate design and computation procedures from the text are provided on the CD that accompanies this book. These programs include psychrometric analysis, equipment selection, heating and cooling load calculation, an electronic "ductulator," piping system design, a ductwork cost calculator, and programs to evaluate building system demand and energy efficiency. Future updates to these programs can be found at [www.ashrae.org/updates](http://www.ashrae.org/updates). The downloadable version of this product comes as a zip file and includes a PDF of the User's Manual and all the supporting files located on the CD that accompanies the print version. You must have WinZip to open the download.

## **Fundamentals of HVAC Control Systems**

This guide will keep you cool Like its earlier editions, this fully updated guidebook is packed with practical information on installing, servicing, maintaining, and troubleshooting air-conditioning systems. Whether you're an AC professional, an independent repair technician, or a cost-conscious homeowner, everything you need is here. Clearly organized and loaded with diagrams and illustrations, it's a vital addition to your toolbox. \* Find concise, accurate information on installing and maintaining both residential and commercial systems \* Understand the physics of air conditioning and filtration \* Make accurate temperature measurements using various methods and devices \* Work with room air conditioners, water cooling systems, and auto air conditioning \* Learn about refrigerants, compressors, condensers, evaporators, and AC motors \* Service, troubleshoot, and repair both old and new AC units

## **Geothermal HVAC**

This book explores the fundamental concepts of air conditioning and their application to systems. The book explains all concepts in a clear, practical manner, and focuses on problems and examples typically encountered on the job. Uses a minimum of mathematics.

## **Newnes Building Services Pocket Book**

Your guide to keeping the heat on Whether you're an apprentice or a veteran HVAC technician, you know that technology changes and you need to keep up. This fully revised guidebook covers everything you need to know to install, maintain, and repair the components that run, regulate, and fuel both old and new systems. From oil burners and steam line controls to the newest chip-based technology and environmental regulations, Volume 2 helps you keep the heat on. \* Install and repair thermostats, humidistats, automatic controls, and oil or gas burner controls \* Review pipes, pipe fittings, piping details, valve installation, and duct systems \* Find new calculations and environmental guidelines \* Learn the best ways to handle hydronics and steam line controls \* Deal with solid fuels and understand coal firing methods \* Refer to data tables with conversions, formula cross-references, and manufacturers' lists The Audel HVAC Library Vol. 1: Heating Systems, Furnaces, and Boilers Vol. 2: Heating System Components, Gas and Oil Burners, and Automatic Controls Vol. 3: Air Conditioning, Heat Pumps, and

Distribution Systems

## **HVAC Control in the New Millennium**

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This exceptionally produced trainee guide features a highly illustrated design, technical hints and tips from industry experts, review questions and a whole lot more! Key content includes: Introduction to HVAC, Trade Mathematics, Basic Electricity, Introduction to Heating, Introduction to Cooling, Introduction to Air Distribution Systems, Basic Copper and Plastic Piping Practices, Soldering and Brazing, and Basic Carbon Steel Piping Practices. Instructor Supplements  
Instructors: Product supplements may be ordered directly through OASIS at <http://oasis.pearson.com>. For more information contact your Pearson NCCER Sales Specialist at <http://nccer.pearsonconstructionbooks.com/store/sales.aspx>.  
Instructor's Resource Card (978-0-13-340382-4) — Provides access to Instructor Resource Center at [www.nccerirc.com](http://www.nccerirc.com). Downloadable instructor resources include PowerPoints, Lesson Plans, Performance Profile Sheets, Test Questions, and TestGen software. Trainee Guide Paperback + NCCERconnect Access Card Package 978-0-13-340934-5 Access Card ONLY for NCCERconnect Trainee Guide (does not include print book) 978-0-13-340395-4 ELECTRONIC Access Code ONLY for NCCERconnect Trainee Guide (must be ordered electronically via OASIS; does not include print book) 978-0-13-340440-1

## **Audel Questions and Answers for Plumbers' Examinations**

### **Audel HVAC Fundamentals, Volume 3**

Featuring updated charts dealing with the most common situations welding workers face on the job, this comprehensive, pocket-sized reference is based on recommendations from working professionals and covers welding symbols and definitions, types of joints and welds, typical welding station configurations, oxygen cylinders, arc-welding charts, U.S metric measures, and more.

### **Audels Plumbers and Steam Fitters Guide: Pipe fitting. Heating. Ventilation. Code regulations**

No Ducks in the Attic is a fun, easy reading, semi-technical book that bridges the gap between classroom HVAC theory and "that's how Clyde said to do it" for the residential HVAC industry.

### **Modern Hydronic Heating: For Residential and Light Commercial Buildings**

Get All the Practice Questions and Answers, Calculations, and Troubleshooting Tips You Need to Ace the major HVAC Licensing Exams! HVAC technicians and students alike can turn to the HVAC Licensing Study Guide for everything they need to prepare for and pass the major HVAC licensing exams on the very first try!

## Bookmark File PDF Audel Heating Ventilating And Air Conditioning Library Heating Fundamentals Furnaces Boilers Boiler Conversions

Designed to boost confidence, skills, and knowledge, this unique career-building resource contains over 800 practice questions and answers, essential calculations, and step-by-step troubleshooting tips for the job site. Written by two of the most experienced and successful authors in the HVAC field, this on-target book presents a wealth of current information on heatingboilersventilation ductworkair conditioning systems and methodsrefrigerationelectrical systemscontrol devicesmaterials and equipment designand codes and standards. Filled with over 200 detailed illustrations and handy "tip boxes" on important code matters and exam questions, the HVAC Licensing Study Guide enables readers to: Develop skills with material most likely to appear on the NATE, ICE, RSES, and HVAC licensing exams Improve test-taking ability with over 800 exam-style multiple-choice and true/false questions and answers Learn about the latest refrigerant usage and regulations Keep up with the most recent codes and standards Acquire the confidence, skills, and knowledge needed to pass your licensing exam on the first try This HVAC Study Guide Will Help You Master: • Heating (Boilers) • Ventilation (Ductwork) • Air Conditioning • Refrigeration • Electrical • Control Devices • and Much More!

### **Audel Heating, Ventilating and Air Conditioning Library**

You can build on this foundation Whether construction is your livelihood or you're just planning ahome addition, you need to know the latest about materials,methods, and more. From locating the structure on the site toinstalling roof shingles, this book helps you make responsibledecisions about every stage of building construction. Fully updatedwith information about available resources, new materials, andrecent code changes, it helps you build cost-effective,energy-efficient structures with confidence. \* Understand how different types of lots, covenants, and zoningwill affect structure placement \* Consider the Air Freezing Index and Degree Days when planningfoundations \* Look at the pros and cons of welded wire fabric in concretework \* Explore low-E window glass, heat mirror, and switchableglazings \* Find out what insulation and ventilation procedures are mosteffective \* Learn about the properties of Gypsonite(TM) and FiberBond(TM) ininterior construction \* Handle the radon hazard and other environmental issues

### **AudelHVAC Fundamentals**

Newnes Building Services Pocket Book is a unique compendium of essential data, techniques and procedures, best practice, and underpinning knowledge. This makes it an essential tool for engineers involved in the design and day-to-day running of mechanical services in buildings, and a valuable reference for managers, students and engineers in related fields. This pocket reference gives the reader access to the knowledge and knowhow of the team of professional engineers who wrote the sixteen chapters that cover all aspects of mechanical building services. Topic coverage includes heating systems, ventilation, air conditioning, refrigeration, fans, ductwork, pipework and plumbing, drainage, and fire protection. The result is a comprehensive guide covering the selection of HVAC systems, and the design process from initial drafts through to implementation. The second edition builds on the success of this popular guide with references to UK and EU legislation fully updated throughout, and coverage fully in line with the latest CIBSE guides.

## **Audel Complete Building Construction**

### **Basic Refrigeration and Air Conditioning**

#### **Fundamentals of HVAC Systems**

The HVAC/R industry requires more specialized skills and information than any other trade, and this new book meets that demand head-on! With more than 500 pages of extensive information on such important topics as refrigeration systems, piping, ductwork, motors, compressors, fans, pumps and more, this "answer book" is one of the most complete HVAC/R professional references available. Practical troubleshooting techniques and service call procedures for understanding and maintaining all heating and cooling systems are featured. Ample safety coverage and the inclusion of plan symbols, materials, and conversion factors round out the exceptional features of this "must have" pocket reference. The HVAC/R industry requires more specialized skills and information than any other trade, and this new book meets that demand head-on! With more than 500 pages of extensive information on such important topics as refrigeration systems, piping, ductwork, motors, compressors, fans, pumps and more, this "answer book" is one of the most complete HVAC/R professional references available. Practical troubleshooting techniques and service call procedures for understanding and maintaining all heating and cooling systems are featured. Ample safety coverage and the inclusion of plan symbols, materials, and conversion factors round out the exceptional features of this "must have" pocket reference.

#### **Audel HVAC Fundamentals**

\* A classic reference providing the applications, on-the-job insights, codes and specifications, and direction needed to design HVAC systems \* Covers residential, commercial, and industrial systems \* NEW coverage of Energy Conservation and Digital Control Practice and greater emphasis on indoor air quality

#### **HVAC Design Sourcebook**

A Practical, On-the-Job HVAC Guide Applicable to residential, commercial, and industrial jobs, this essential handbook puts a wealth of real-world information at your fingertips. HVAC Troubleshooting Guide shows you how to read, interpret, and prepare schedules, mechanical plans, and electrical schematics. This handy resource will aid you in your everyday tasks and keep you up to date with the latest facts, figures, and devices. The book includes numerous illustrations, tables, and charts, troubleshooting tips, safety precautions, resource directories, and a glossary of terms. HVAC Troubleshooting Guide helps you: Identify and safely use tools and equipment (both new and old) Use heat pumps and hot air furnaces Calculate ventilation requirements Work with refrigeration equipment and the new refrigerants Utilize control devices, including solenoids and relays Operate, select, and repair electric motors Work with condensers, compressors, and evaporators Monitor the flow of refrigerant with valves, tubing, and filters Comply with the

Section 608 refrigerant recycling rule Program thermostats Insulate with batts, sheet, tubing covers, and foam Work with solid-state controls Understand electrical and electronic symbols used in schematics

## **HVAC/R Professional Reference**

### **AudelHVAC Pocket Reference**

Keep it cool or heat things up This third volume of Audel's HVAC Library gives you a comprehensive, hands-on guide to installing, servicing, and repairing all basic air-conditioning systems in both new and older construction. You'll also find complete coverage of specialized heating units-radiators, radiant heating systems, stoves, fireplaces, heat pumps, and indoor/outdoor pool heaters, plus fans, exhaust systems, air filters, and more. It's what you need to complete your HVAC reference library. \* Make accurate calculations for AC system output \* Tailor AC systems for older construction \* Learn to install and service today's popular electronic air cleaners and filters \* Service less common heating systems such as coal-fired furnaces \* Install, maintain, and repair humidifiers and dehumidifiers \* Handle radiators, convectors, and baseboard heating units

### **Audels Engineers and Mechanics Guide**

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Ace the Major HVAC Licensing Exams! Featuring more than 800 accurate practice questions and answers, HVAC Licensing Study Guide, Third Edition, provides everything you need to prepare for and pass the major HVAC licensing exams. This highly-effective, career-building study resource is filled with essential calculations, troubleshooting tips for the job site, hundreds of detailed illustrations, and information on the latest codes and standards. You will get brand-new coverage of troubleshooting for small motors and electrical equipment for HVAC. This thoroughly revised study guide helps you:

- Master the material most likely to appear on the ARI, NATE, ICE, RSES, and HVAC licensing exams
- Improve your test-taking ability with 800+ true-false and multiple-choice questions and answers
- Learn about current refrigerant usage and regulations
- Keep up with the most recent codes and standards
- Acquire the confidence, skills, and knowledge needed to pass your exam

Covers key HVAC topics, including:

- Heat sources
- Heating systems
- Boilers, burners, and burner systems
- Piping systems
- Ductwork sizing
- Refrigerants
- Cooling and distribution systems
- Refrigeration equipment and processes
- Filters and air flow
- Maintenance, servicing, and safety
- Humidification, dehumidification, and psychrometrics
- EPA-refrigerant reclaimers
- Heating circuits
- Safety on the job
- Trade associations and codes
- Troubleshooting for small motors
- Electrical equipment for HVAC

### **Audel Air Conditioning Home and Commercial**

Answers when you need them When you need to check specs, confirm measurements, or make a quick metric conversion on the job, find the answers

quickly and easily--right in your pocket. Your one-stop reference for \* Conversion tables, electrical formulas, pipe thread standards, and motor ampere ratings \* Fuel cost comparisons \* Offset calculations and valve details \* Gas and oil burner specifications \* Pipe performance data \* Weather and design factors affecting heating/cooling calculations \* Troubleshooting guidelines

## **McGraw-Hill's HVAC Licensing Study Guide**

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This exceptionally produced trainee guide features a highly illustrated design, technical hints and tips from industry experts, review questions and a whole lot more! Key content includes: Commercial Airside Systems, Chimneys, Vents, and Flues, Introduction to Hydronic Systems, Air Quality Equipment, Leak Detection, Evacuation, Recovery, and Charging, Alternating Current, Basic Electronics, Introduction to Control Circuit Troubleshooting, Troubleshooting Gas Heating, Troubleshooting Cooling, Heat Pumps, Basic Installation and Maintenance Practices, Sheet Metal Duct Systems, and Fiberglass and Flexible Duct Systems. Instructor Supplements Instructors: Product supplements may be ordered directly through OASIS at <http://oasis.pearson.com>. For more information contact your Pearson NCCER/Contren Sales Specialist at <http://nccer.pearsonconstructionbooks.com/store/sales.aspx>. Instructor's Resource Card 978-0-13-340457-9 Trainee Guide Paperback + Access Card Package 978-0-13-340933-8 Access Card ONLY for Trainee Guide (does not include print book) 978-0-13-340396-1 ELECTRONIC Access Code ONLY for Trainee Guide (must be ordered electronically via OASIS; does not include print book) 978-0-13-340441-8 TestGen Software and Test Questions - Available for download from [www.nccerirc.com](http://www.nccerirc.com). Access code comes in AIG and also available separately.

## **Audel HVAC Fundamentals, Volume 1**

A reference you'll warm up to From the background and basics of heating systems to the newest chip-based technology, this first volume of Audel's HVAC Library gives you comprehensive information you need on the job. Whether you're installing, servicing, repairing, or troubleshooting an old or new heating system, you'll find what you're looking for, from wood and coal furnace maintenance to new calculations and the latest environmental technologies and regulations. \* Review the basics of installation, wiring, and troubleshooting for different HVAC systems \* Choose the correct system for the space, climate, and needs \* Compare the economy and efficiency of various fuel types \* Install, maintain, and troubleshoot conversion units \* Find formula cross references, data tables with conversions, and listings of trade organizations and equipment manufacturers

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