

Hvac Book In Urdu

Popular and practical, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS**, 3rd Edition, helps you apply HVAC skills to concepts in commercial refrigeration. Focused on the food service industry, chapters address how HVAC technicians service medium- and low-temperature refrigeration equipment such as walk-ins, reach-ins, refrigerated cases, and ice machines. Readings also include special features, such as insider tips from seasoned pros on installing, servicing, and troubleshooting commercial equipment. Freshly updated to include the latest industry changes, the third edition adds six full sections of content, as well as 150 helpful illustrations, pictures, and diagrams—including a step-by-step flowchart for quickly diagnosing and addressing the nine most common refrigeration problems you will see on the job. A resource to keep handy, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS**, 3rd Edition, is ideal for any technician working with commercial refrigeration today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This Ebook is dedicated to those who are eager to learn the HVACR Trade and Refrigerant Charging/Troubleshooting Practices. In this book, you will find Step by Step Procedures for preparing an air conditioning and heat pump system for refrigerant, reading the manifold gauge set, measuring the refrigerants charge level, and troubleshooting problems with the system's refrigerant flow. This book differs from others as it gives key insights into each procedure along with tool use from a technician's perspective, in language that the technician can understand. This book explains the refrigeration cycle of air conditioners and heat pumps, refrigerant properties, heat transfer, the components included in the system, the roles of each component, airflow requirements, and common problems. Procedures Included: Pump Down, Vacuum and Standing Vacuum Test, Recovery and Recovery Bottle Use, Refrigerant Manifold Gauge Set and Hose Connections, Service Valve Positions and Port Access, Preparation of the System for Refrigerant, Refrigerant Charging and Recovery on an Active System, Troubleshooting the Refrigerant Charge and System Operation

In the almost sixty years since the publication of the first edition of **HVAC Engineer's Handbook**, it has become widely known as a highly useful and definitive reference for HVAC engineers and technicians alike, and those working on domestic hot and cold water services, gas supply and steam services. The 11th edition continues in the tradition of previous editions, being easily transportable and therefore an integral part of the HVAC engineer or technician's daily tools. Newly updated data on natural ventilation, ventilation rates, free cooling and night-time cooling, make the 11th edition of the **HVAC Engineer's Handbook** a vital source of information. Fred Porges has worked in both the manufacturing and process industries, and became a partner in a building services consultancy in 1962. He has held senior positions with design contractors, and his experience covers every building service and type of building from schools to housing, factories to laboratories.

Air pollution is recognized as one of the leading contributors to the global environmental burden of disease, even in countries with relatively low concentrations of air pollution. **Air Pollution: Health and Environmental Impacts** examines the effect of this complex problem on human health and the environment in different settings around the world. I

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. The definitive guide to HVAC design—thoroughly revised for the latest technologies This fully updated guide covers the entire HVAC system design process from concept to commissioned systems.

Written by a recognized HVAC expert, the book illustrates each step through photographs, drawings, and comprehensive discussions. This new edition has been completely refreshed to align with current industry standards and includes several brand-new chapters. **HVAC Design Sourcebook**, Second Edition contains a chapter-long case study that provides a step-by-step look at the design of a real-world HVAC project. Coverage includes: •The design process •Piping, valves, and specialties •Central plant and air systems •Piping and ductwork distribution systems •Terminal equipment •Variable refrigerant flow systems •Humidity control •Noise and vibration control •Automatic temperature controls •Sustainability •Construction drawings •Central plant optimization •Construction administration •The commissioning process

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

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

With this authoritative reference at hand, engineers and technicians will gain full knowledge of each component in today's complex heating, ventilating, and air conditioning systems. Completely revised and fully updated, this second edition of a widely used working tool offers: Analyses of today's most efficient, most trouble-free systems ... Details on today's highly advanced components ... Ways to achieve economy and efficiency in design ... clear explanations of the environmental impact of HVAC design ... Information on meeting key codes and standards. Featuring contributions from the top companies in HVAC technology—York, Allied Signal, Honeywell, and Sverdrup—the Handbook is an ideal source of reliable and timely information and advice on HVAC systems and components.

The text begins by reviewing, in a simple and precise manner, the physical principles of three pillars of Refrigeration and Air Conditioning, namely thermodynamics, heat transfer, and fluid mechanics. Following an overview of the history of

refrigeration, subsequent chapters provide exhaustive coverage of the principles, applications and design of several types of refrigeration systems and their associated components such as compressors, condensers, evaporators, and expansion devices. Refrigerants too, are studied elaboratively in an exclusive chapter. The second part of the book, beginning with the historical background of air conditioning in Chapter 15, discusses the subject of psychrometrics being at the heart of understanding the design and implementation of air conditioning processes and systems, which are subsequently dealt with in Chapters 16 to 23. It also explains the design practices followed for cooling and heating load calculations. Each chapter contains several worked-out examples that clarify the material discussed and illustrate the use of basic principles in engineering applications. Each chapter also ends with a set of few review questions to serve as revision of the material learned.

Master the Electric and Electronic Components that Control Today's Air Conditioning, Heating, and Refrigeration Systems! Electricity and Electronics for HVAC provides an expert account of the electric and electronic components used for modern air conditioning, heating, and refrigeration systems. Packed with hundreds of detailed illustrations, this in-depth reference fully explains circuits, diagrams, digital controls, safety procedures, troubleshooting, and more. Written by the renowned technical authors Rex Miller and Mark R. Miller, this essential resource covers all electrical and electronic principles and applications of HVAC, including basic electricity...electric measuring instruments...control devices...heating circuits...refrigeration and freezer circuits...and other topics. Designed to build knowledge, skills, and confidence, Electricity and Electronics for HVAC features: Complete information on electric and electronic components for modern HVAC systems Over 345 detailed illustrations to improve technical understanding Standard and SI units for all problems and worked-out equations A PowerPoint presentation for classroom use Inside this Career-Building HVAC Tool • Introduction to Electricity • Current, Voltage, Resistance, and Power • Resistors, Color Code, Components, and Symbols • Series and Parallel Circuits • Magnetism, Solenoids, and Relays • Electric Measuring Instruments • Electric Power: DC and AC • Inductors, Inductive Reactance, and Transformers • Capacitors and Capacitive Reactance • Single and Three-Phase Power • Solid-State Controls • AC Motors • Electrical Safety • Control Devices • Heating Circuits • AC Circuits • Refrigeration and Freezer Circuits • Troubleshooting • Controlling Electric Power for AC Units oCareers in AC and Refrigeration • Index

"This textbook covers all the theory and technology sections that students need to learn in order to pass level 1, 2 and 3 automotive courses from the Institute of Motor Industry, City & Guilds and other exam boards. It has been produced in partnership with ATT Training and is a companion to their online learning resources. Learning is made more enjoyable and effective as the topics in the book are supported with online activities, video footage, assessments and further reading. If you are using ATT Training materials then this is the ideal textbook for your course"--

This fully revised and updated edition of this classic bestselling reference provides all the information needed to evaluate and balance the air and water sides of any HVAC system. The third edition adds new chapters on testing and balancing clean rooms and HVAC system commissioning. The book addresses every aspect of testing, adjusting and balancing, including all types of instruments required and specific methods to adjust constant volume, single zone, dual duct, induction, and variable air volume systems. The author provides complete details for the full scope of system components, including fans, pumps, motors, drives, and electricity, as well as for balancing devices and instrument usage. The book also includes all necessary equations and a variety of useful conversion tables.

This unique book describes how the General Algebraic Modeling System (GAMS) can be used to solve various power system operation and planning optimization problems. This book is the first of its kind to provide readers with a comprehensive reference that includes the solution codes for basic/advanced power system optimization problems in GAMS, a computationally efficient tool for analyzing optimization problems in power and energy systems. The book covers theoretical background as well as the application examples and test case studies. It is a suitable reference for dedicated and general audiences including power system professionals as well as researchers and developers from the energy sector and electrical power engineering community and will be helpful to undergraduate and graduate students. Modern Refrigeration and Air Conditioning provides an excellent blend of theory with job-qualifying skills, making it a leader in the refrigeration and air conditioning field! This comprehensive text teaches both fundamental principles and the service techniques needed to diagnose and remedy HVAC problems. Modern Refrigeration and Air Conditioning contains the most recent information and advances in the field needed to prepare the technician for success in today's world. This edition includes up-to-date material on EPA rules and regulations covering refrigerant recovery, recycling, and reclaiming. Both students and practicing technicians will benefit from the comprehensive approach of this text, which provides a solid and thorough knowledge of all aspects of refrigeration and air conditioning.

This is a new edition of the standard air conditioning installation/service text, emphasizing energy conservation. It contains new material on heating and computer programs, and new load calculation problems. The book provides thorough coverage of the fundamentals of air conditioning, explains relationships of theory to design of new systems, and discusses troubleshooting of existing systems. Air conditioning and refrigeration equipment and systems, and refrigeration absorption systems and heat pumps are all covered. Computer programs for load estimating are also described, and there are many illustrative examples of real-world situations. The text is consistent with all ASHRAE load estimating guidelines.

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

True or false? In selling high-value products or services: 'closing' increases your chance of success; it is essential to describe the benefits of your product or service to the customer; objection handling is an important skill; open questions are more effective than closed questions. All false, says this provocative book. Neil Rackham and his team studied more than 35,000 sales calls made by 10,000 sales people in 23 countries over 12 years. Their findings revealed that many of the methods developed for selling low-

value goods just don't work for major sales. Rackham went on to introduce his SPIN-Selling method. SPIN describes the whole selling process: Situation questions Problem questions Implication questions Need-payoff questions SPIN-Selling provides you with a set of simple and practical techniques which have been tried in many of today's leading companies with dramatic improvements to their sales performance.

This groundbreaking book, developed with a grant from the Harriet and Robert Heilbrunn Institute for Interreligious Understanding of the American Jewish Committee, is a stepping stone to dialogue. Descended from a common ancestor, Jews and Muslims share a special relationship and practice religions that exhibit remarkable moral and theological resemblance. But most Jews know little about Islam. Professor Khalid Duran presents the majesty of Islam, its history and culture, but neither ignores nor rationalizes its more problematic aspects. His book offers an insightful and forthright treatment of the varieties of Muslim fundamentalism, Islamism and Jihadism. It offers a candid analysis of the status of women in Muslim belief and practice, as well as an unsentimental assessment of the historical treatment of minorities in Islamic societies. A publication of the Harriet and Robert Heilbrunn Institute for International Interreligious Understanding of the American Jewish Committee.

BE AN AC AND REFRIGERATION ACE- NO MATTER WHAT YOUR PRESENT LEVEL OF SKILL! Air Conditioning and Refrigeration helps you understand today's cooling and climate control systems-so expertly that you can use it as the foundation for a career! Clear instructions-with over 800 photographs and illustrations-offer step-by-step guidance to learning the trade for students, professionals, and homeowners who want to do their own installations or repairs. **LEARN WITH THE PROS** Written by experienced teachers Rex and Mark R. Miller-whose Carpentry & Construction has been a building classic for more than 25 years-Air Conditioning and Refrigeration has all the task-simplifying details you need for any project. In the popular Miller style, this complete and current guide helps: New and student technicians. Build on-the-job skills and the knowledge needed to succeed in a fast-growing, lucrative field. AC and refrigeration pros. Refine and update skills, with full information on the latest cost-cutting technologies, refrigerants, and tools. Do-it-yourselfers and homeowners. Make expert equipment and tool choices and achieve superior results, economically. Service personnel, technicians, contractors, engineers, and facility managers. Find up-to-date information on codes, standards, safety tips, and methods. Anyone who needs clear, illustrated, step-by-step instructions for efficient, cost-effective, and current methods in choosing, installing, maintaining, troubleshooting, servicing, and repairing today's AC and refrigeration equipment.

Modern Refridgeration and Air Conditioning Goodheart-Willcox Pub

Imagine transforming a flat sheet of aluminum alloy into an attractive hood scoop. Or designing and making your own aluminum wheel tubs, floorpan and dashboard for your street machine. How about learning to design and build your own body panels, manifolds, brackets and fuel tanks? These are just a few of the many tips and techniques shared by master metal craftsman Ron Fournier. Author of HP's award-winning Metal Fabricator's Handbook, Fournier packs decades of experience designing and shaping sheet metal components for Indy cars, drag race cars, road racers, street rods and street machines into 144 pages. You'll find tips on: · Setting up your own shop · Selecting and using basic hand tools · Proper use of English wheels, bead rollers, brakes and power hammers · Pattern design and proper sheet metal selection · Basic metal shaping techniques · The art of hammer forming · Proper riveting techniques · And finally, tips on restoring original sheet metal Whether you're restoring a '32 Ford, constructing a race car, building a show-winning street rod or street machine, or perhaps developing your skills for work in the metal industry, you'll find the information in this book invaluable, and a perfect addition to any home automotive library.

#1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology, engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

This comprehensive volume, often called the "HVAC bible," has been thoroughly updated to cover the latest code changes, equipment, and techniques HVAC Equations, Data, and Rules of Thumb, 3e offers all of the information an HVAC student or professional needs in one resource. The book thoroughly explains the expansion of piping systems and temperature limitations of new materials such as polyethylene, polypropylene, PVC, CPVC, and PEX. Detailed information is included for all types of facilities, including offices, hotels, hospitals, restaurants, commercial spaces, and computer rooms. This practical handbook reflects all the latest code changes—including the ASHRAE standards—and explains how to interpret and put them to use. It includes completely updated coverage of new pumps, chillers, air handling units, cooling equipment, boilers, and pipe material. You will get complete coverage of sustainability organizations that have become more important since last edition, including LEED, USGBC, Energy Star. Features hundreds of equations and rules for everything from ductwork to air-handling systems Includes a brand-new chapter on sound, vibration, and acoustics Contains an updated list of equipment manufacturers for all products featured

* A broad range of disciplines--energy conservation and air quality issues, construction and design, and the manufacture of temperature-sensitive products and materials--is covered in this comprehensive handbook * Provide essential, up-to-date HVAC data, codes, standards, and guidelines, all conveniently located in one volume * A definitive reference source on the design, selection and operation of A/C and refrigeration systems

The wildly popular YouTube star behind Clean My Space presents the breakthrough solution to cleaning better with less effort Melissa Maker is beloved by fans all over the world for her completely re-engineered approach to cleaning. As the dynamic new authority on home and living, Melissa knows that to invest any of our precious time in cleaning, we need to

see big, long-lasting results. So, she developed her method to help us get the most out of our effort and keep our homes fresh and welcoming every day. In her long-awaited debut book, she shares her revolutionary 3-step solution: • Identify the most important areas (MIAs) in your home that need attention • Select the proper products, tools, and techniques (PTT) for the job • Implement these new cleaning routines so that they stick Clean My Space takes the chore out of cleaning with Melissa's incredible tips and cleaning hacks (the power of pretreating!) her lightning fast 5-10 minute "express clean" routines for every room when time is tightest, and her techniques for cleaning even the most daunting places and spaces. And a big bonus: Melissa gives guidance on the best non-toxic, eco-conscious cleaning products and offers natural cleaning solution recipes you can make at home using essential oils to soothe and refresh. With Melissa's simple groundbreaking method you can truly live in a cleaner, more cheerful, and calming home all the time.

The Revised Edition Of A Widely Used Book Contains Several New Topics To Make The Coverage More Comprehensive And Contemporary. * Highlights The Ozone Hole Problem And Related Steps To Modify The Refrigeration Systems. * The Discussion Of Vapour Compression/Absorption Systems Totally Recast With A Special Emphasis On Eco-Refrigerants. * Application Oriented Approach Followed Throughout The Book And Energy Efficiencyemphasised. * Several Real Life Problems Included To Illustrate The Practical Viability Of The Systems Discussed. * Additional Examples, Diagrams And Problems Included In Each Chapter For An Easier Grasp Of The Subject. With All These Features, This Book Would Serve As A Comprehensive Text For Undergraduate Mechanical Engineering Students. Postgraduate Students And Practising Engineers Would Also Find It Very Useful.

The Multicolr Edition Has Been thoroughly revised and brought up-to-date. Multicolor pictures have been added to enhance the content value and to give the students and idea of what he will be dealing in relity, and to bridge the gap between theory and Practice.

You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: * Create and delete files, directories, and symlinks * Administer your system, including networking, package installation, and process management * Use standard input and output, redirection, and pipelines * Edit files with Vi, the world's most popular text editor * Write shell scripts to automate common or boring tasks * Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

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

Oxygen represents only 20% of the Earth's atmosphere, yet it is vital for the survival of aerobic organisms. There is a dark part of the use of oxygen that consists in generating reactive species that are potentially harmful to living organisms. Moreover, reactive oxygen species can combine with nitrogen derivatives and generate many other reactive species. Thus, living organisms are continuously assaulted by reactive species from external or internal sources. However, the real danger comes in the case of high concentrations and prolonged exposure to these species. This book presents an image of the mechanisms of action of reactive species and emphasizes their involvement in diseases. Inflammation and cancer are examined to determine when and how reactive species turn the evolution of a benign process to a malignant one. Some answers may come from recent studies indicating that reactive species are responsible for epigenetic changes.

Green buildings have become common in India and other countries in Asia. However, there is a concern regarding the performance of green buildings failing to meet the expectations of clients during the operation. One of the key reasons for this is poorly commissioned HVAC systems. In this publication we provide tools and knowhow for more efficient HVAC commissioning. It gives answers for four major questions: why commissioning is needed, how to perform proper commissioning, which key performance issues of common HVAC equipment need to be considered, and what kind of checklists are used during commissioning? It covers the entire commissioning process beginning with the owner's project requirements and commissioning design reviews. Then, it explains procedures during installation and start-up of equipment followed by the functional performance testing, seasonal commissioning and 10 months' operation review. This publication is developed by Indian Society of Heating, Refrigeration and Air Conditioning Engineers ISHRAE for Indian and Asian requirements in conjunction with the Federation of European HVAC Associations REHVA. The process

steps described in this publication are in line with all major international building standards and green building certification schemes. Note: T&F does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka.

It has been a little over a century since the inception of interconnected networks and little has changed in the way that they are operated. Demand-supply balance methods, protection schemes, business models for electric power companies, and future development considerations have remained the same until very recently. Distributed generators, storage devices, and electric vehicles have become widespread and disrupted century-old bulk generation - bulk transmission operation. Distribution networks are no longer passive networks and now contribute to power generation. Old billing and energy trading schemes cannot accommodate this change and need revision. Furthermore, bidirectional power flow is an unprecedented phenomenon in distribution networks and traditional protection schemes require a thorough fix for proper operation. This book aims to cover new technologies, methods, and approaches developed to meet the needs of this changing field.

Automotive Air-conditioning and Climate Control Systems is a complete text and reference on the theoretical, practical and legislative aspects of vehicle climate control systems for automotive engineering students and service professionals. It provides the reader with a thorough up-to-date knowledge of current A/C systems, refrigerants and the new possible replacement systems like CO₂, and includes unrivalled coverage of electronic and electrical control. Filling the gap in the automotive engineering and servicing market for students and those training on the job, this book will help both newcomers and those with more experience of air-conditioning systems maintenance engineering to keep up with the latest developments and legislation. Detailed coverage of European and US vehicle HVAC systems Thorough explanation of current and future systems including CO₂ Meets relevant C&G, IMI, and HND vocational and professional qualifications IMI recommended reading material Includes practical cases studies and examples from design and manufacturing companies including Ford, Vauxhall, Toyota, VW, Visteon, Sanden and others, accompanied by over 300 detailed illustrations and photographs

HVAC Water Chillers and Cooling Towers provides fundamental principles and practical techniques for the design, application, purchase, operation, and maintenance of water chillers and cooling towers. Written by a leading expert in the field, the book analyzes topics such as piping, water treatment, noise control, electrical service, and energy effi

This book presents contributions from renowned experts addressing research and development related to the two important areas of heat exchangers, which are advanced features and applications. This book is intended to be a useful source of information for researchers, postgraduate students, academics, and engineers working in the field of heat exchangers research and development.

This comprehensive book has been developed to quickly train an average person for the vast commercial and residential refrigeration and air-conditioning market within a short period of time. It provides all the technical knowledge needed to start a successful refrigeration and air-conditioning business anywhere in the world.

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