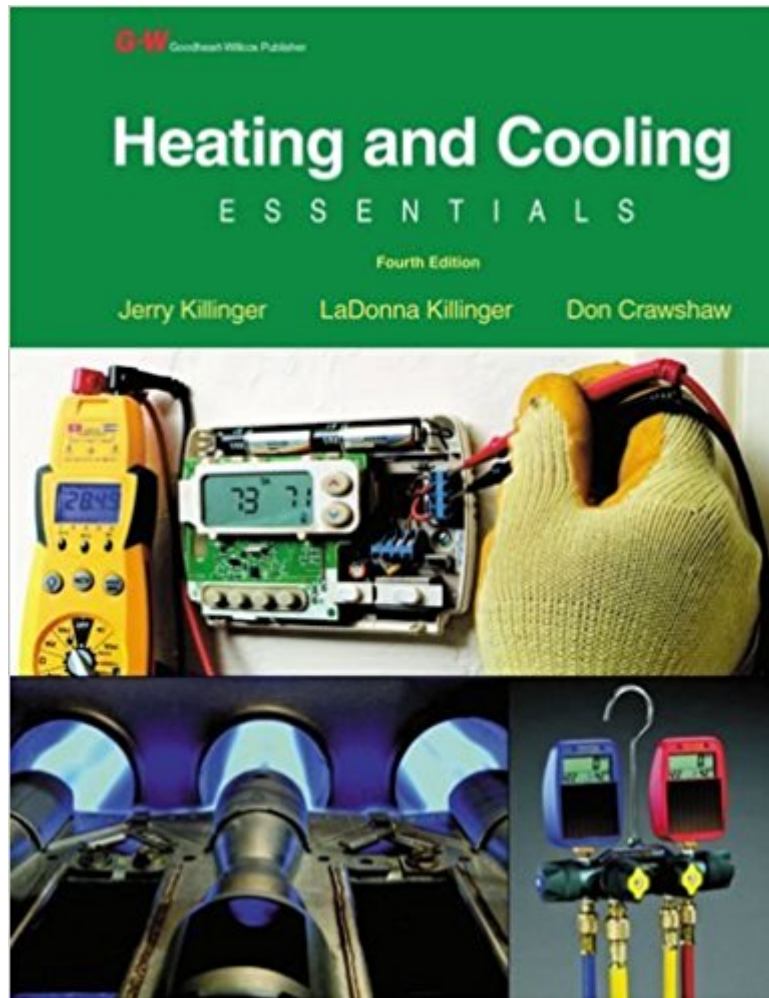




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# Heating And Cooling Essentials



## Synopsis

Heating and Cooling Essentials is the ideal introductory text for students entering the HVACR field, providing well-illustrated and simple explanations of complex HVACR topics. The text emphasizes the techniques needed to perform the installation, service, and repair of refrigeration, air conditioning, and heating systems. Students build an understanding of how the many photos and diagrams enhance learning for those new to the study of HVACR. Strong Tips, and review questions aid learning and retention. New careers and soft skill information prepare students for the workplace skills needed to be successful in HVACR careers. In addition to showing students how to excel in the workplace, Heating and Cooling Essentials helps them get the most out of an HVACR education. Â

## Book Information

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## Customer Reviews

Jerry Killinger and LaDonna Killinger established an excellent foundation upon which Mr. Crawshaw built. Mr. Killinger has extensive experience installing and servicing air conditioning, refrigeration, and heating systems. He has worked with industrial, commercial, and residential systems ranging from heat pumps to boilers to cooling towers to refrigerated food cases to solid-state environmental control equipment. Jerry has over 20 years' experience teaching traditional vocational classes as well as various seminars and workshops. He has conducted numerous seminars on refrigeration, air conditioning, and electricity for industrial maintenance personnel at facilitates of major

manufacturers across the United States. Donald L. Crawshaw currently is the Department Chairman and Instructor of the HVAC program at Pikes Peak Community College (PPCC), Colorado Springs, Colorado. Mr. Crawshaw earned an Associates of Arts degree in Technical Theatre from Independence Community College (ICC), Independence, Kansas. He served part time as Stage Manager for the local community auditorium in Independence for about 10 years. While attending ICC he started working as a helper for a sheet metal installation crew for a local HVAC company. He has remained in the HVACR field ever since, over 30 years, working in Kansas, Utah and Colorado. Mr. Crawshaw has worked in the areas of installation, service and energy management for residential, commercial, and supermarket systems. He had been involved with in-house training in just about every company he worked for previously. Mr. Crawshaw started his professional teaching career with Intellitec College in Colorado Springs, and later accepted his current position at PPCC. The 30 plus years of experience in many different areas and responsibilities in the HVACR field has allowed him to be able to teach many different topics and subjects. Along with his teaching and department chair duties, he also serves as the State Discipline Chairman for the Colorado Community College System HVAC discipline and is the Career and Technical Studies representative from the college to the State Faculty Curriculum Council. In 2011 Mr. Crawshaw was invited to sit on a panel for the National Assessment of Educational Progress (NAEP), to help conduct an NAEP HVAC Judgmental Standard-Setting Study, looking into how math relates to entering into HVAC training. In 2012 Mr. Crawshaw earned the title of Certified Master HVACR Educator (CMHE) from HVAC Excellence. He was also voted Best Instructor Runner-up by The NEWS and Air-Conditioning, Heating and Refrigeration Institute (AHRI) that same year.

The book isn't brand new, I thought it was. Has pencil indentation marks on the cover. And the binding is coming loose. Other than that it's very informative, and the chapters aren't too long.

Very helpful and knowledgeable for the class I am taking, would recommend for anyone studying for this career.

Great product was too happy with the writing on top of the book but otherwise the product is great

Great deal.

this is so far out dated save you r money that is all the time i have for this book.a waste of a good tree tony phila.pa. r

Very nice book I got all my expaction on it

The book is highly illustrated and benefits the refrigeration trade, a must for beginners and skilled refrigeration mechanics. It has the most recent information on refrigerants, refrigerant oils. It also describes water chillers and makes chillers easy to understand. Contends a lot of important information for my trade.

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