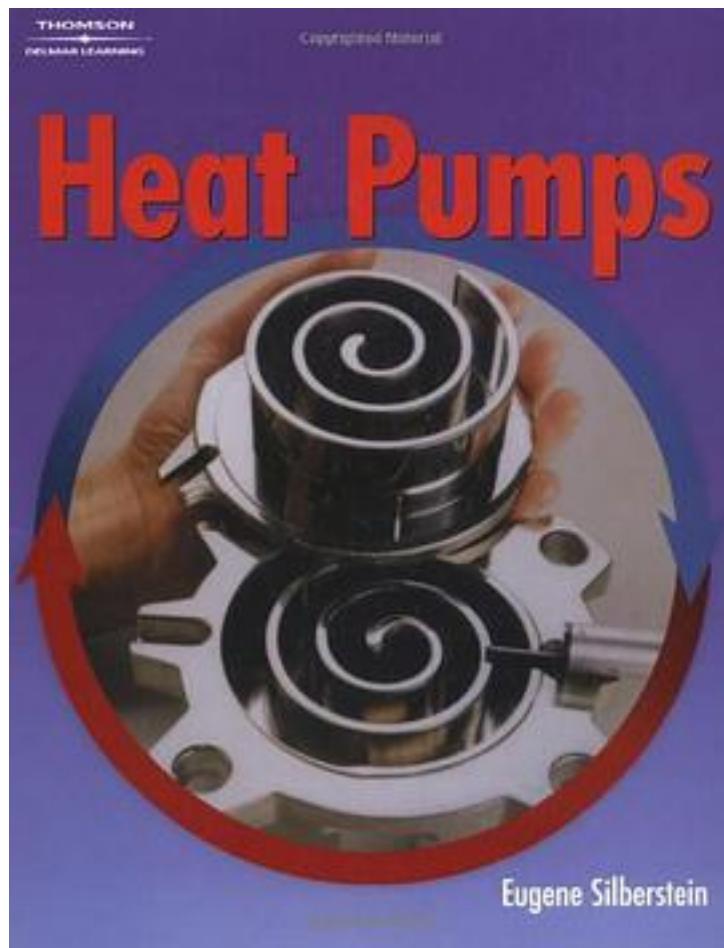


# Heat Pumps



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A comprehensive, yet reader-friendly source of information about modern heat pump technology, as well as the vapor-compression refrigeration system on which it is based, Heat Pumps is the perfect choice for future service technicians. The book begins by

introducing the four major components that make up the vapor-compression system: compressor, condenser, metering device, and evaporator. Other system-level components essential to efficient heat pump operation are also addressed, including: cooling towers, pressure controls, safety devices, and thermostats. Subsequent chapters enable readers equipped with a basic understanding of how heat pumps operate to launch directly into detailed examination of the electrical circuits of the vapor-compression refrigeration system as well as the operation of individual system components. In addition to gaining exposure to different heat pump system configurations (including the increasingly popular geothermal system), dedicated troubleshooting chapters provide abundant opportunities to gain practice in applying the seven steps required for successful completion of every service call. Ample pedagogy plus real-life and simplified examples appear throughout the book, maximizing learning and minimizing the frustration often associated with the study of such a highly-technical, complex topic.

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