

Department of Human Resources & Examinations

Louisiana State Licensing Board for Contractors

LSLBC

6.1 Heat, Air Conditioning, Ventilation, Duct Work, and Refrigeration

The installation, maintenance or repair of air conditioning, ventilation, refrigeration, coolers, freezers, and ice rinks. A license is required when the value exceeds \$10,000. Heat, air conditioning, ventilation, duct work and refrigeration is a subclassification of Mechanical.

Introduction



Heat, Air Conditioning, Ventilation, Duct Work, and Refrigeration is a *closed book* examination with 100 multiple-choice questions and a minimum passing score of 70. You will have **4 hours** to complete this examination.

This bulletin contains only a representative sample of the many good references available on the subject at the time the list was compiled. It is not a comprehensive listing. Please note that it is *not* necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of references might be useful in helping to acquire the basic knowledge needed to perform this type of work. Often the best preparation is training through a mentor or through a company or organizational training program, or a higher educational or vocational educational training program, etc., along with actual experience.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through the services of Inter-Library Loan. If still in print, these books may also be available through your local bookstore or by contacting the publisher. All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

Content Outline

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Project Management, Estimating and Plan Reading	21
HVAC and Refrigeration Systems	26
Air Distribution Systems and Ventilation	17
Piping Systems and Hydronics (Commercial, Residential and Industrial)	26
Instrumentation (Controls, Balancing)	10

References

Modern Refrigeration and Air Conditioning: Althouse, A. D., et al; Goodheart-Willcox Publisher; Tinley Park, IL. <https://www.g-w.com/modern-refrigeration-air-conditioning-2017#li>

2012 International Mechanical Code; International Code Council; Country Club Hills, IL; 2011. https://codes.iccsafe.org/content/IMC2012?site_type=public

AHRI Fundamentals of HVAC/R; Stanfield, Carter and Skaves, David; AHRI Air-Conditioning, Heating, and Refrigeration Institute; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2010.

Trane Air Conditioning Manual; The Trane Company; La Crosse, WI.

Managing the Construction Process, Fourth Edition; Gould, Frederick; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2011.

Project Management in Construction, Seventh Edition; Levy, Sidney M.; McGraw-Hill Education; New York; 2018.



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