

Residential Air Conditioning

Catalog Number: C31425
Exam Number: 915162
Effective Date: 09/27/12

License Information

Scope – Tests a candidate’s knowledge of the installation, maintenance, repair, alteration, and extension of residential air conditioning systems, related warm air heating, ventilation, and duct systems, not to exceed five tons cooling capacity per unit.

Examination Outline

Open Book
60 Questions – Three-hour time limit
75% Correct required to pass

| Exam Topic | % |
|-------------------|----|
| HVAC/R General | 20 |
| Air Conditioning | 18 |
| Warm Air Heating | 13 |
| Ventilation | 13 |
| Controls | 13 |
| Fuel Gas Systems | 10 |
| Load Calculations | 8 |
| Safety | 5 |

References

NOTE: The following references were used to develop this exam. With the exception of the Code books, you may use newer editions of references as they become available at your own discretion. However, newer editions may or may not contain applicable information to the content on the exam. You assume the risk of using a more current reference than that listed below. In regards to Code books, **only** the edition of the Code book listed below will be allowed into the test site.

The following references **are allowed** in the testing center.

1. *International Fuel Gas Code*, 2012 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
2. *International Mechanical Code*, 2012 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
3. *1926 OSHA Construction Industry Regulations*, 2012 Edition, MANCOMM, www.mancomm.com, 315 West 4th Street, Davenport, IA 52801.

4. *ACCA Duct Slide Rule*, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206, www.acca.org.

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Code of Federal Regulations*, Title 29, Part 1926 (OSHA), July 1, 2011, Superintendent of Documents, P.O. Box 979054, For Online CFR: <http://bookstore.gpo.gov>. St. Louis, MO 63197.
2. *Modern Refrigeration and Air Conditioning*, 18th Edition, 2004, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243, www.g-w.com.

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