

## 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**

SUBJECT AREA	PERCENTAGE
HARV GENERAL	20
AIR CONDITIONING	18
HEATING – WARM AIR	13
VENTILATING	13
CONTROLS	13
FUEL GAS SYSTEMS	10
LOAD CALCULATIONS	8
SAFETY	5

## References

*The following special devices ARE allowed in the testing center in addition to the standard allowable test center devices:*

*ACCA Ductulator*, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

*TRANE Ductulator*, TRANE Company, c/o Inland Marketing Services, 3030 Airport Road, La Crosse, WI, 54603.

*The following references ARE allowed in the testing center:*

*International Mechanical Code*, 2003 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795.

*International Fuel Gas Code*, 2003 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795.

*Manual J – Residential Load Calculation*, Eighth Edition, 2002, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

*Manual D – Residential Duct Systems*, 1995 Edition, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

*OSHA Excerpts for Contractors*, Fourth Edition, 2003, Prometric, 1260 Energy Lane, St. Paul, MN 55108.

*The following references have been used to create exam questions but are NOT allowed in the testing center:*

*AHAM RAC-1-2003 – Room Air Conditioners (Reaffirmation of ANSI/AHAM RAC-1-1992)*, 2003 Edition, Association of Home Appliance Manufacturers (AHAM), Suite 402, 1111 19<sup>th</sup> St. N.W., Washington, DC 20036.

*Refrigeration and Air Conditioning*, Third Edition, 1998, Prentice Hall/Pearson Education, Order Processing Center, P.O. Box 11071, Des Moines, IA 50336-0693.

*Modern Refrigeration and Air Conditioning*, Eighteenth Edition, 2004, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243.

*Pipefitters Handbook*, Third Edition, 1967, Industrial Press, Inc., 200 Madison Avenue, New York, NY 10016.

*For information on how to obtain examination references, please call toll-free 877.624.2562.*

## Copyrighted Exam Questions

All test questions are the copyrighted property of Prometric Inc. It is forbidden under federal copyright law to copy, reproduce, record, distribute or display these test questions by any means, in whole or in part, without our written permission. Doing so may subject you to severe civil and criminal penalties, including up to five years in prison and/or a \$250,000 fine for criminal violations.