

## License Information

**Scope-** Tests a candidate's knowledge of the installation, maintenance, repair, and alteration of refrigeration systems and related appurtenances intended to be used for the purpose of food and product preservation, unlimited in tonnage or horsepower.

## Examination Outline

### **Open Book**

**80 Questions – Three-hour time limit**

**70% Correct Required to Pass**

<b>SUBJECT AREA</b>	<b>PERCENTAGE</b>
HARV GENERAL	25
COMMERCIAL REFRIGERATION SYSTEMS	25
CONTROLS	15
VENTILATION	10
PIPING AND TUBING	10
FUEL GAS	5
BOX CONSTRUCTION	5
SAFETY	5

## References

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

*Uniform Mechanical Code (IAPMO)*, 2003 Edition, IAPMO – International Association of Plumbing and Mechanical Officials, 5001 E. Philadelphia St., Ontario, CA 91761-2816.

*Carrier System Design Manual – Part III: Piping Design*, Carrier, 1960 Edition, Carrier Air Conditioning Company, Literature Distribution, Bldg. TR-2, Syracuse, NY 13221-4804.

*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:*

*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.

*TRANE Air Conditioning Manual*, Revised Edition, 1996, TRANE Company, c/o Inland Marketing Services, 3030 Airport Road, La Crosse, WI 54603.

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

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