

## License Information

**Scope-** Tests a candidate's knowledge of the installation, maintenance, repair, fabrication, alteration, and extension of air conditioning, refrigeration, piping vessels, warm air heating, low pressure boilers, ventilation systems, duct systems, insulation, and related appurtenances within a complete system unlimited in horsepower or tonnage.

## Examination Outline

### Open Book

**100 Questions – Four-hour time limit**

**70% Correct Required to Pass**

SUBJECT AREA	PERCENTAGE
HARV GENERAL	16
AIR CONDITIONING	16
VENTILATION	14
HEATING – WARM AIR	12
CONTROLS	12
FUEL GAS	12
PIPING	10
INSULATION	4
SAFETY	4

## References

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

1. *Code of Federal Regulations, Title 29, Part 1926 (OSHA)*, 2003 Edition, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, [www.access.gpo.gov](http://www.access.gpo.gov).
2. *Modern Refrigeration and Air Conditioning*, Eighteenth Edition, 2004, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243, [www.goodheartwillcox.com](http://www.goodheartwillcox.com).
3. *ACCA Duct Slide Rule*, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206, [www.acca.org](http://www.acca.org).
4. *Carrier System Design Manual – Part III: Piping Design*, Carrier, 1960 Edition, Carrier Air Conditioning Company, Literature Distribution, Bldg. TR-2, Syracuse, NY 13221-4804, [www.global.carrier.com](http://www.global.carrier.com).
5. *Fibrous Glass Duct Construction Standards*, Fifth Edition, 2002, North American Insulation Manufacturers Association (NAIMA), 44 Canal Center Plaza, Suite 310, Alexandria, VA 22314, [www.naima.org](http://www.naima.org).
6. *Florida Building Code: Fuel Gas Volume*, 2002/2003, Revised Second Edition, 2001, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
7. *Florida Building Code: Mechanical Volume*, 2002/2003, Revised Second Edition, 2001, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
8. *Pipefitters Handbook*, Third Edition, 1967, Industrial Press, Inc., 200 Madison Avenue, New York, NY 10016, [www.industrialpress.com](http://www.industrialpress.com).
9. *TRANE Air Conditioning Manual*, Revised Edition, 1996, TRANE Company, c/o Inland Marketing Services, 3030 Airport Road, La Crosse, WI 54603, [www.trane.com/bookstore](http://www.trane.com/bookstore).
10. *TRANE Ductulator*, TRANE Company, c/o Inland Marketing Services, 3030 Airport Road, La Crosse, WI 54603, [www.trane.com/bookstore](http://www.trane.com/bookstore).

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

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