

License Information

Scope- Tests a candidate's knowledge of the installation, maintenance, repair, fabrication, alteration, and extension of commercial air conditioning, warm air heating, ventilation, duct systems, and related appurtenances unlimited in horsepower or tonnage.

Examination Outline

Open Book

100 Questions – 4-1/2-hour time limit

75% Correct Required to Pass

SUBJECT AREA	PERCENTAGE
HARV GENERAL	25
WARM AIR HEATING	15
VENTILATION	15
CONTROLS	15
PIPING	15
INSULATION	5
LOAD CALCULATIONS	5
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:

Uniform Mechanical Code, 2000 Edition, IAPMO – International Association of Plumbing and Mechanical Officials, 5001 E. Philadelphia St., Ontario, CA 91761-2816.

NFPA 31 - Standard for the Installation of Oil Burning Equipment, 2001 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

NFPA 58 - Standard for the Storage and Handling of Liquefied Petroleum Gases, 2001 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

Manual N – Commercial Load Calculation, Fourth Edition, 1988, 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.

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

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

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

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.

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