

License Information

Scope- Tests a candidate's knowledge of the installation, maintenance, repair, fabrication, alteration, and extension of heating, duct systems, and related appurtenances, including hot water, low pressure steam, and warm air furnace systems.

Examination Outline

Open Book

60 Questions – Three-hour time limit

70% Correct Required to Pass

SUBJECT AREA	PERCENTAGE
HARV GENERAL	18
HEATING – WARM AIR – LOW PRESSURE BOILER – OIL BURNERS	18
VENTILATION	14
CONTROLS	14
FUEL GAS SYSTEMS	13
PIPING	13
LOAD CALCULATIONS	10

References

The following special device IS 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.

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.

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.

Manual N – Commercial Load Calculation, Fourth Edition, 1988, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

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.

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:

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

Low Pressure Boilers, 2001 Edition, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600.

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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