

**Department of Energy**

**§ 431.296**

listed has been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Any subsequent amendment to a standard by the standard-setting organization will not affect the DOE regulations unless and until amended by DOE. Material is incorporated as it exists on the date of the approval and a notice of any change in the material will be published in the FEDERAL REGISTER. All approved material is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030 or visit [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html). This material is also available for inspection at U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Building Technologies Program, 6th Floor, 950 L'Enfant Plaza, SW., Washington, DC 20024, 202-586-2945, or visit [http://www1.eere.energy.gov/buildings/appliance\\_standards](http://www1.eere.energy.gov/buildings/appliance_standards). Standards can be obtained from the sources listed below.

(b) ANSI. American National Standards Institute, 25 W. 43rd Street, 4th Floor, New York, NY 10036, 212-642-4900, or visit <http://www.ansi.org>.

(1) ANSI/AHAM HRF-1-2004, Energy, Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers, approved July 7, 2004, IBR approved for §§ 431.292 and 431.294.

(2) ANSI/ASHRAE Standard 32.1-2004, Methods of Testing for Rating Vending Machines for Bottled, Canned, and Other Sealed Beverages, approved December 2, 2004, IBR approved for § 431.294.

[74 FR 44967, Aug. 31, 2009]

**§ 431.294 Uniform test method for the measurement of energy consumption of refrigerated bottled or canned beverage vending machines.**

(a) *Scope.* This section provides test procedures for measuring, pursuant to EPCA, the energy consumption of refrigerated bottled or canned beverage vending machines.

(b) *Testing and Calculations.* (1) The test procedure for energy consumption of refrigerated bottled or canned beverage vending machines shall be conducted in accordance with the test procedures specified in section 4, "Instruments," section 5, "Vending Machine Capacity," section 6, "Test Conditions," and sections 7.1 through 7.2.3.2, under "Test Procedures," of ANSI/ASHRAE Standard 32.1-2004, "Methods of Testing for Rating Vending Machines for Bottled, Canned, and Other Sealed Beverages." (Incorporated by reference, see § 431.293) In Section 6.2, "Voltage and Frequency," test equipment with dual nameplate voltages at the lower of the two voltages only.

(2) Determine "vendible capacity" of refrigerated bottled or canned beverage vending machines in accordance with the second paragraph of section 5, "Vending Machine Capacity," of ANSI/ASHRAE Standard 32.1-2004, "Methods of Testing for Rating Vending Machines for Bottled, Canned, and Other Sealed Beverages," (Incorporated by reference, see § 431.293) and measure "refrigerated volume" of refrigerated bottled or canned beverage vending machines in accordance with the methodology specified in section 5.2, "Total Refrigerated Volume," (excluding subsections 5.2.2.2 through 5.2.2.4) of the ANSI/AHAM HRF-1-2004, "Energy, Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers," (Incorporated by reference, see §§ 431.63 and 431.293).

**ENERGY CONSERVATION STANDARDS**

**§ 431.296 Energy conservation standards and their effective dates.**

Each refrigerated bottled or canned beverage vending machine manufactured on or after August 31, 2012 shall have a maximum daily energy consumption (in kilowatt hours per day), when measured at the 75 °F ± 2 °F and 45 ± 5% RH condition, that does not exceed the following:

Equipment class	Maximum daily energy consumption (kilowatt hours per day)
Class A .....	MDEC = 0.055 × V + 2.56.
Class B .....	MDEC = 0.073 × V + 3.16.
Combination Vending Machines	[RESERVED].

[74 FR 44967, Aug. 31, 2009; 74 FR 45980, Sept. 8, 2009]