§ 429.15  Room air conditioners.

(a) Sampling plan for selection of units for testing.  (1) The requirements of §429.11 are applicable to room air conditioners; and

(2) For each basic model of room air conditioners, a sample of sufficient size shall be randomly selected and tested to ensure that—

(A) Any represented value of estimated annual operating cost, energy consumption or other measure of energy consumption of a basic model for which consumers would favor lower values shall be greater than or equal to the higher of:

(B) The mean of the sample, where:

\[ \bar{x} = \frac{1}{n} \sum_{i=1}^{n} x_i \]

and, \( \bar{x} \) is the sample mean; \( n \) is the number of samples; and \( x_i \) is the \( i \)th sample; or,

(B) The upper 97½ percent confidence limit (UCL) of the true mean divided by 1.05, where:

\[ UCL = \bar{x} \left( 1 + \frac{t_{0.025}}{n} \right) \]

where \( t_{0.025} \) is the t statistic for a 95% one-tailed confidence interval with \( n \) degrees of freedom (from Appendix A).
§ 429.16 Central air conditioners and heat pumps.

(a) Sampling plan for selection of units for testing. (1) The general requirements of §429.11 are applicable to central air conditioners and heat pumps; and

(2) Pursuant to §429.12(b)(13), a certification report shall include the following public product-specific information: The energy efficiency ratio (EER in British thermal units per Watt-hour (Btu/W-h)), cooling capacity in British thermal units per hour (Btu/h), and the electrical power input in watts (W).

(b) Certification reports. (1) The requirements of §429.12 are applicable to room air conditioners; and

(2) Pursuant to §429.12(b)(13), a certification report shall include the following public product-specific information: The energy efficiency ratio (EER in British thermal units per Watt-hour (Btu/W-h)), cooling capacity in British thermal units per hour (Btu/h), and the electrical power input in watts (W).

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