§ 429.19 Dishwashers

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

(2) Pursuant to § 429.12(b)(13), a certification report shall include the following product-specific information:

(i) The type of ignition system for gas-fired steam and hot water boilers.

(ii) Pursuant to § 429.12(b)(15), a certification report shall include the following additional product-specific information: For cast-iron sectional boilers: a declaration of whether certification is based on linear interpolation or testing. For hot water boilers, a declaration that the manufacturer has incorporated the applicable design requirements.


§ 429.19 Dishwashers.

(1) The requirements of § 429.12 are applicable to dishwashers; and

(2) Pursuant to § 429.12(b)(13), a certification report shall include the following public product-specific information:

(i) The annual fuel utilization efficiency (AFUE) in percent (%) and the input capacity in British thermal units per hour (Btu/h).

(ii) For cast-iron sectional boilers: The type of ignition system for gas-fired steam and hot water boilers.

(iii) Pursuant to § 429.12(b)(15), a certification report shall include the following additional product-specific information: For cast-iron sectional boilers: a declaration of whether certification is based on linear interpolation or testing. For hot water boilers, a declaration that the manufacturer has incorporated the applicable design requirements.

\[ UCL = \bar{x} + t_{n,0.975} \left( \frac{s}{\sqrt{n}} \right) \]

\[ LCL = \bar{x} - t_{n,0.975} \left( \frac{s}{\sqrt{n}} \right) \]

And \( \bar{x} \) is the sample mean; \( s \) is the sample standard deviation; \( n \) is the number of samples; and \( t_{n,0.975} \) is the \( t \) statistic for a 97.5% one-tailed confidence interval with \( n-1 \) degrees of freedom (from Appendix A).

and

(ii) Any represented value of the energy or water factor or other measure of energy or water consumption of a basic model for which consumers would favor higher values shall be less than or equal to the lower of:

(A) 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 lower 97 1/2 percent confidence limit (LCL) of the true mean divided by 0.95, where:

\[ LCL = \bar{x} - t_{n,0.975} \left( \frac{s}{\sqrt{n}} \right) \]

And \( \bar{x} \) is the sample mean; \( s \) is the sample standard deviation; \( n \) is the number of samples; and \( t_{n,0.975} \) is the \( t \) statistic for a 97.5% one-tailed confidence interval with \( n-1 \) degrees of freedom (from Appendix A).

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

(2) Pursuant to §429.12(b)(13), a certification report shall include the following public product-specific information: The annual energy use in kilowatt hours per year (kWh/yr) and the water factor in gallons per cycle.

(3) Pursuant to §429.12(b)(13), a certification report shall include the following additional product-specific information: the capacity in number of place settings as specified in ANSI/AHAM DW–1 (incorporated by reference, see §429.4), presence of a soil sensor (if yes, the number of cycles required to reach calibration), and the water inlet temperature used for testing in degrees Fahrenheit (°F).

[76 FR 12451, Mar. 7, 2011; 76 FR 24766, May 2, 2011]

§ 429.20 Residential clothes washers.

(a) Sampling plan for selection of units for testing. (1) The requirements of §429.11 are applicable to residential clothes washers; and