

5.4 *Water energy consumption for non-soil-sensing or soil-sensing dishwashers using electrically heated water.*

5.4.1 *Dishwashers that operate with a nominal 140 °F inlet water temperature, only.* For the normal and truncated normal test cycle, calculate the water energy consumption, W, expressed in kilowatt-hours per cycle and defined as:

$$W = V \times T \times K$$

Where,

V = water consumption in gallons per cycle, as determined in section 5.3.1 of this Appendix,

T = nominal water heater temperature rise = 90 °F,

K = specific heat of water in kilowatt-hours per gallon per degree Fahrenheit = 0.0024.

5.4.2 *Dishwashers that operate with a nominal inlet water temperature of 120 °F.* For the normal and truncated normal test cycle, calculate the water energy consumption, W, expressed in kilowatt-hours per cycle and defined as:

$$W = V \times T \times K$$

Where,

V = water consumption in gallons per cycle, as determined in section 5.3.1 of this Appendix,

T = nominal water heater temperature rise = 70 °F,

K = specific heat of water in kilowatt-hours per gallon per degree Fahrenheit = 0.0024.

5.5 *Water energy consumption per cycle using gas-heated or oil-heated water.*

5.5.1 *Dishwashers that operate with a nominal 140 °F inlet water temperature, only.*

For each test cycle, calculate the water energy consumption using gas-heated or oil-heated water,  $W_g$ , expressed in Btu's per cycle and defined as:

$$W_g = V \times T \times C / e$$

Where,

V = reported water consumption in gallons per cycle, as determined in section 5.3.2 of this Appendix,

T = nominal water heater temperature rise = 90 °F,

C = specific heat of water in Btu's per gallon per degree Fahrenheit = 8.2,

e = nominal gas or oil water heater recovery efficiency = 0.75.

5.5.2 *Dishwashers that operate with a nominal inlet water temperature of 120 °F.*

For each test cycle, calculate the water energy consumption using gas heated or oil heated water,  $W_g$ , expressed in Btu's per cycle and defined as:

$$W_g = V \times T \times C / e$$

Where,

V = reported water consumption in gallons per cycle, as determined in section 5.3.2 of this Appendix,

T = nominal water heater temperature rise = 70 °F,

C = specific heat of water in Btu's per gallon per degree Fahrenheit = 8.2,

e = nominal gas or oil water heater recovery efficiency = 0.75.

5.6 *Annual standby energy consumption.* Calculate the estimated annual standby

energy consumption. First determine the number of standby hours per year,  $H_s$ , defined as:

$$H_s = H - (N \times L).$$

Where,

H = the total number of hours per year = 8766 hours per year,

N = the representative average dishwasher use of 215 cycles per year,

L = the average of the duration of the normal cycle and truncated normal cycle, for non-soil-sensing dishwashers with a truncated normal cycle; the duration of the normal cycle, for non-soil-sensing dishwashers without a truncated normal cycle; the average duration of the sensor light response, truncated sensor light response, sensor medium response, truncated sensor medium response, sensor heavy response, and truncated sensor heavy response, for soil-sensing dishwashers with a truncated cycle option; the average duration of the sensor light response, sensor medium response, and sensor heavy response, for soil-sensing dishwashers without a truncated cycle option.

Then calculate the estimated annual standby power use, S, expressed in kilowatt-hours per year and defined as:

$$S = S_m \times ((H_s) / 1000)$$

Where,

$S_m$  = the average standby power in watts as determined in section 4.4 of this Appendix.

■ 5. Section 430.32 of subpart C is amended by revising paragraph (f) to read as follows:

**§ 430.32 Energy and water conservation standards and effective dates.**

\* \* \* \* \*

(f) *Dishwashers.* The energy factor of dishwashers manufactured on or after May 14, 1994, must not be less than:

Product class	Energy factor (cycles/kWh)
(1) Compact Dishwasher (capacity less than eight place settings plus six serving pieces as specified in ANSI/AHAM DW-1 [Incorporated by reference, see § 430.22] using the test load specified in section 2.7 of Appendix C in subpart B) ....	0.62
(2) Standard Dishwasher (capacity equal to or greater than eight place settings plus six serving pieces as specified in ANSI/AHAM DW-1 [Incorporated by Reference, see § 430.22] using the test load specified in section 2.7 of Appendix C in subpart B) .....	0.46

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■ 6. Section 430.62 is amended in subpart F by revising paragraph (a)(4)(vi) to read as follows:

**§ 430.62 Submission of data.**

(a) \* \* \*

(4) \* \* \*

(vi) Dishwashers, the energy factor expressed in cycles per kilowatt-hour.

\* \* \* \* \*

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**DEPARTMENT OF HOMELAND SECURITY**

**Bureau of Customs and Border Protection**

**19 CFR Part 12**

[CBP Dec. 03-25]

RIN 1515-AD38

**Extension of Emergency Import Restrictions Imposed on Ethnological Material From Cyprus**

**AGENCY:** Customs and Border Protection, Department of Homeland Security.

**ACTION:** Final rule.

**SUMMARY:** In T.D. 99-35, the Customs Regulations were amended to reflect the imposition of emergency import restrictions on certain ethnological material from Cyprus. These restrictions were imposed pursuant to a determination by the United States Information Agency issued under the terms of the Convention on Cultural Property Implementation Act in accordance with the 1970 United Nations Educational, Scientific and Cultural Organization (UNESCO) Convention on the Means of Prohibiting and Preventing the Illicit Import, Export and Transfer of Ownership of Cultural Property. Recently, the United States Department of State determined that conditions continue to warrant the imposition of these emergency import restrictions for a period not to exceed 3 years. Thus, this document amends the Customs regulations to reflect that the emergency import restrictions currently in place continue, without interruption, for 3 years from September 4, 2003. T.D. 99-35 contains the Designated List describing the Byzantine ecclesiastical and ritual ethnological material from Cyprus to which the restrictions apply.

**EFFECTIVE DATE:** This regulation and the extension of emergency import restrictions reflected in this regulation become effective on September 4, 2003.

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