

**16 CFR Part 305 – COMPLETE RULE TEXT INCORPORATING THE PROPOSED AMENDMENTS (does not include Appendices)**

**§305.1 Scope of the regulations in this part.**

The rule in this part establishes requirements for consumer appliance products, as hereinafter described, in commerce, as “commerce” is defined in the Energy Policy and Conservation Act, 42 U.S.C. 6291, with respect to:

(a) Labeling and/or marking the products with information required by this part indicating their operating cost (or different useful measure of energy consumption) and related information, disclosing their water use rate and related information, or stating their compliance with applicable standards under section 325 of the Energy Policy and Conservation Act, 42 U.S.C. 6295;

(b) Including in printed matter displayed or distributed at the point of sale of such products, or including in any catalog from which the products may be purchased, information concerning their water use or their energy consumption;

(c) Including on the labels, separately attaching to the products, or shipping with the products, additional information relating to energy consumption, energy efficiency, or energy cost; and

(d) Making representations, in writing or in broadcast advertising, respecting the water use, energy consumption, or energy efficiency of the products, or the cost of water used or energy consumed by the products.

**DEFINITIONS**

**§305.2 Definitions.**

(a) *Act* means the Energy Policy and Conservation Act (Pub. L. 94-163), and amendments thereto.

(b) *ANSI* means the American National Standards Institute and, as used herein, is the prefix for national standards and codes adopted by ANSI.

(c) *ASME* means the American Society of Mechanical Engineers and, as used herein, is the prefix for national standards and codes adopted by ASME.

(d) *Average lamp efficacy* means the lamp efficacy readings taken over a statistically significant period of manufacture with the readings averaged over that period.

(e) *Ballast efficacy factor* means the relative light output divided by the power input of a fluorescent lamp ballast, as measured under test conditions specified in American National Standards Institute (ANSI) standard C82.2-1984, or as may be prescribed by the Secretary of Energy. Copies of ANSI standard C82.2-1984 may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036.

(f) *Base* for lamps means the portion of the lamp which screws into the socket.

(g) *Bulb shape* means the shape of the lamp, especially the glass portion.

(h) *Catalog* means printed material, including material disseminated over the Internet, which contains the terms of sale, retail price, and instructions for ordering, from which a retail consumer can order a covered product.

(i) *Color rendering index* or *CRI* for lamps means the measure of the degree of color shift objects undergo when illuminated by a light source as compared with the color of those same objects when illuminated by a reference source of comparable color temperature.

(j) *Commission* means the Federal Trade Commission.

(k) *Consumer product* means any article (other than an automobile, as “automobile” is defined in 15 U.S.C. 2001(1) [sec. 501(1) of the Motor Vehicle Information and Cost Savings Act]) of a type—

(1) Which in operation consumes, or is designed to consume, energy or, with respect to showerheads, faucets, water closets, and urinals, water; and

(2) Which, to any significant extent, is distributed in commerce for personal use or consumption by individuals; without regard to whether such article or such type is in fact distributed in commerce for personal use or consumption by an individual, except that such term includes fluorescent lamp ballasts, metal halide lamp fixtures, general service fluorescent lamps, medium base compact fluorescent lamps, general service incandescent lamps (including incandescent reflector lamps), showerheads, faucets, water closets, and urinals distributed in commerce for personal or commercial use or consumption.

(l) *Consumer appliance product* means any of the following consumer products, excluding those products designed solely for use in recreational vehicles and other mobile equipment:

(1) Refrigerators, refrigerator-freezers, and freezers that can be operated by alternating current electricity, excluding—

(i) Any type designed to be used without doors; and

(ii) Any type which does not include a compressor and condenser unit as an integral part of the cabinet assembly.

- (2) Dishwashers.
- (3) Water heaters.
- (4) Room air conditioners.
- (5) Clothes washers.
- (6) Clothes dryers.
- (7) Central air conditioners and central air conditioning heat pumps.
- (8) Furnaces.
- (9) Direct heating equipment.
- (10) Pool heaters.
- (11) Kitchen ranges and ovens.
- (12) Television sets.
- (13) Fluorescent lamp ballasts.
- (14) General service fluorescent lamps.
- (15) Medium base compact fluorescent lamps.
- (16) General service incandescent lamps, including incandescent reflector lamps.
- (17) Showerheads.
- (18) Faucets.
- (19) Water closets.
- (20) Urinals.
- (21) Metal halide lamp fixtures.
- (22) Ceiling fans.
- (23) Any other type of consumer product that the Department of Energy classifies as a covered product under section 322(b) of the Act (42 U.S.C. 6292).

(m) *Correlated color temperature* for lamps means the absolute temperature of a blackbody whose chromaticity most nearly resembles that of the light source.

(n) *Covered product* means any consumer product or consumer appliance product described in §305.3, 305.4, 305.5, or 305.6 of this part.

(o) *Distributor* means a person (other than a manufacturer or retailer) to whom a consumer appliance product is delivered or sold for purposes of distribution in commerce.

(p) *Energy efficiency rating* means the following product-specific energy usage descriptors: *annual fuel utilization efficiency (AFUE)* for furnaces; *combined energy efficiency ratio (CEER)* for room air conditioners; *seasonal energy efficiency ratio (SEER)* for the cooling function of central air conditioners and heat pumps; *heating seasonal performance factor (HSPF)* for the heating function of heat pumps; *airflow efficiency* for ceiling fans; and, *thermal efficiency (TE)* for pool heaters, as these descriptors are determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293). These product-specific energy usage descriptors shall be used in satisfying all the requirements of this part.

(q) *Estimated annual energy consumption and estimated annual operating or energy cost—*  
(1) *Estimated annual energy consumption* means the energy or (for plumbing products) water that is likely to be consumed annually in representative use of a consumer product, as determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293).

(i) *Kilowatt-hour use per year, or kWh/yr.*, means estimated annual energy consumption expressed in kilowatt-hours of electricity.

(ii) *Therm use per year, or therms/yr.*, means estimated annual energy consumption expressed in therms of natural gas.

(iii) *Gallon use per year, or gallons/yr.*, means estimated annual energy consumption expressed in gallons of propane or No. 2 heating oil.

(2) *Estimated annual operating or energy cost* means the aggregate retail cost of the energy that is likely to be consumed annually in representative use of a consumer product, as determined in accordance with tests prescribed under section 323 of the Act (42 U.S.C. 6293).

(r) *Flow restricting or controlling spout end device* means an aerator used in a faucet.

(s) *Flushometer valve* means a valve attached to a pressured water supply pipe and so designed that, when actuated, it opens the line for direct flow into the fixture at a rate and quantity to operate properly the fixture, and then gradually closes to provide trap reseal in the fixture in order to avoid water hammer. The pipe to which this device is connected is in itself of sufficient size that, when opened, will allow the device to deliver water at a sufficient rate of flow for flushing purposes.

(t) *IES* means the Illuminating Engineering Society of North America and, as used herein, is the prefix for test procedures adopted by IES.

(u) *Lamp efficacy* means the light output of a lamp divided by its wattage, expressed in lumens per watt (LPW).

(v) *Lamp type* means all lamps designated as having the same electrical and lighting characteristics and made by one manufacturer.

(w) *Life* and *lifetime* for lamps mean length of operating time of a statistically large group of lamps between first use and failure of 50 percent of the group.

(x) *Light output* for lamps means the total luminous flux (power) of a lamp in lumens.

(y) *Luminaire* means a complete lighting unit consisting of a fluorescent lamp or lamps, together with parts designed to distribute the light, to position and protect such lamps, and to connect such lamps to the power supply through the ballast.

(z) *Manufacturer* means any person who manufactures, produces, assembles, or imports a consumer appliance product. Assembly operations which are solely decorative are not included.

(aa) *New covered product* means a covered product the title of which has not passed to a purchaser who buys the product for purposes other than resale or leasing for a period in excess of one year.

(bb) *Private labeler* means an owner of a brand or trademark on the label of a consumer appliance product which bears a private label.

(cc) *Range of comparability* means a group of models within a class of covered products, each model of which satisfies approximately the same consumer needs.

(dd) *Range of energy efficiency ratings* means the range of energy efficiency ratings for all models within a designated range of comparability.

(ee) *Range of estimated annual energy cost* means the range of estimated annual energy cost per year of all models within a designated range of comparability.

(ff) *Retailer* means a person to whom a consumer appliance product is delivered or sold, if such delivery or sale is for purposes of sale or distribution in commerce to purchasers who buy such product for purposes other than resale. The term *retailer* includes purchasers of appliances who install such appliances in newly constructed or newly rehabilitated housing, or mobile homes, with the intent to sell the covered appliances as part of the sale of such housing or mobile homes.

(gg) *Water use* means the quantity of water flowing through a showerhead, faucet, water closet, or urinal at point of use, determined in accordance with test procedures under section 323 of the Act, 42 U.S.C. 6293.

(hh) *Wattage* for lamps means the total electrical power consumed by a lamp in watts, after an initial seasoning period and including, for fluorescent lamps, arc watts plus cathode watts.

### **§ 305.3 Description of appliances and consumer electronics.**

(a) *Refrigerators and refrigerator-freezers.* (1) Electric refrigerator means a cabinet designed for the refrigerated storage of food, designed to be capable of achieving storage temperatures above 32 °F (0 °C) and below 39 °F (3.9 °C), and having a source of refrigeration requiring single phase, alternating current electric energy input only. An electric refrigerator may include a compartment for the freezing and storage of food at temperatures below 32 °F (0 °C), but does not provide a separate low temperature compartment designed for the freezing and storage of food at temperatures below 8 °F (−13.3 °C).

(2) *Electric refrigerator-freezer* means a cabinet which consists of two or more compartments with at least one of the compartments designed for the refrigerated storage of food and designed to be capable of achieving storage temperatures above 32 °F (0 °C) and below 39 °F (3.9 °C), and with at least one of the compartments designed for the freezing and storage of food at temperatures below 8 °F (−13.3 °C) which may be adjusted by the user to a temperature of 0 °F (−17.8 °C) or below. The source of refrigeration requires single phase, alternating current electric energy input only.

(b) *Freezer* means a cabinet designed as a unit for the freezing and storage of food at temperatures of 0 °F or below, and having a source of refrigeration requiring single phase, alternating current electric energy input only.

(c) *Dishwasher* means a cabinetlike appliance which, with the aid of water and detergent, washes, rinses, and dries (when a drying process is included) dishware, glassware, eating utensils and most cooking utensils by chemical, mechanical, and/or electrical means and discharges to the plumbing drainage system.

(1) *Water Heating Dishwasher* means a dishwasher which is designed for heating cold inlet water (nominal 50 °F) or a dishwasher for which the manufacturer recommends operation with a nominal inlet water temperature of 120 °F and may operate at either of these inlet water temperatures by providing internal water heating to above 120 °F in at least one wash phase of the normal cycle.

(2) [Reserved]

(d) *Water heater* means a product which utilizes oil, gas, or electricity to heat potable water for use outside the heater upon demand, including—

(1) Storage type units which heat and store water at a thermostatically controlled temperature, including gas storage water heaters with an input of 75,000 Btu per hour or less, oil storage water heaters with an input of 105,000 Btu per hour or less, and electric storage water heaters with an input of 12 kilowatts or less;

(2) Instantaneous type units which heat water but contain no more than one gallon of water per 4,000 Btu per hour of input, including gas instantaneous water heaters with an input of 200,000 Btu per hour or less, oil instantaneous water heaters with an input of 210,000 Btu per hour or less, and electric instantaneous water heaters with an input of 12 kilowatts or less; and

(3) Heat pump type units, with a maximum current rating of 24 amperes at a voltage no greater than 250 volts, which are products designed to transfer thermal energy from one temperature level to a higher temperature level for the purpose of heating water, including all ancillary equipment such as fans, storage tanks, pumps, or controls necessary for the device to perform its function.

(e) *Room air conditioner* means a consumer product, other than a packaged terminal air conditioner, which is powered by a single phase electric current and which is an encased assembly designed as a unit for mounting in a window or through the wall for the purpose of providing delivery of conditioned air to an enclosed space. It includes a prime source of refrigeration and may include a means for ventilating and heating.

(f) *Clothes washer* means a consumer product designed to clean clothes, utilizing a water solution of soap and/or detergent and mechanical agitation or other movement, and must be one of the following classes: automatic clothes washers, semi-automatic clothes washers, and other clothes washers.

(1) Automatic clothes washer means a class of clothes washer which has a control system capable of scheduling a pre-selected combination of operations, such as regulation of water fill level, and performance of wash, rinse, drain and spin functions, without the need for the user to intervene subsequent to the initiation of machine operation. Some models may require user intervention to initiate these different segments of the cycle after the machine has begun operation, but they do not require the user to intervene to regulate the water temperature by adjusting the external water faucet valves.

(2) Semi-automatic clothes washer means a class of clothes washer that is the same as an automatic clothes washer except that the user must intervene to regulate the water temperature by adjusting the external water faucet valves.

(3) Other clothes washer means a class of clothes washer which is not an automatic or semi-automatic clothes washer.

(g) *Ceiling fan* means a nonportable device that is suspended from a ceiling for circulating air via the rotation of fan blades, excluding large-diameter and high-speed small diameter fans as defined in appendix U of subpart B of 10 CFR part 430. The requirements of this part are otherwise limited to those ceiling fans for which the Department of Energy has adopted and published test procedures for measuring energy usage.

(h) *Television* means a product that is designed to produce dynamic video, contains an internal TV tuner encased within the product housing, and is capable of receiving dynamic visual content from wired or wireless sources including but not limited to: broadcast and similar services for terrestrial, cable, satellite, and/or broadband transmission of analog and/or digital signals; and/or display-specific data connections, such as HDMI, Component video, S-video, Composite video; and/or media storage devices such as a USB flash drive, memory card, or a DVD; and/or

network connections, usually using Internet Protocol, typically carried over Ethernet or Wi-Fi. The requirements of this part are limited to those televisions for which the Department of Energy has adopted and published test procedures for measuring energy use.

(i) *Pool heater* means an appliance designed for heating nonpotable water contained at atmospheric pressure, including heating water in swimming pools, spas, hot tubs and similar applications.

#### **§305.4 Description of furnaces and central air conditioners.**

(a) *Furnaces.* (1) Furnace means a product which utilizes only single-phase electric current, or single-phase electric current or DC current in conjunction with natural gas, propane, or home heating oil, and which—

(i) Is designed to be the principal heating sources for the living space of a residence;

(ii) Is not contained within the same cabinet with a central air conditioner whose rated cooling capacity is above 65,000 Btu per hour;

(iii) Is an electric central furnace, electric boiler, forced-air central furnace, gravity central furnace, or low pressure steam or hot water boiler; and

(iv) Has a heat input rate of less than 300,000 Btu per hour for electric boilers and low pressure steam or hot water boilers and less than 225,000 Btu per hour for forced-air central furnaces, gravity central furnaces, and electric central furnaces.

(2) *Electric central furnace* means a furnace designed to supply heat through a system of ducts with air as the heating medium, in which heat is generated by one or more electric resistance heating elements and the heated air is circulated by means of a fan or blower.

(3) *Forced air central furnace* means a gas or oil burning furnace designed to supply heat through a system of ducts with air as the heating medium. The heat generated by combustion of gas or oil is transferred to the air within a casing by conduction through heat exchange surfaces and is circulated through the duct system by means of a fan or blower.

(4) *Gravity central furnace* means a gas fueled furnace which depends primarily on natural convection for circulation of heated air and which is designed to be used in conjunction with a system of ducts.

(5) *Electric boiler* means an electrically powered furnace designed to supply low pressure steam or hot water for space heating application. A low pressure steam boiler operates at or below 15 pounds per square inch gauge (psig) steam pressure; a hot water boiler operates at or below 160 psig water pressure and 250 °F water temperature.

(6) *Low pressure steam or hot water boiler* means an electric, gas or oil burning furnace designed to supply low pressure steam or hot water for space heating application. A low pressure steam boiler operates at or below 15 pounds psig steam pressure; a hot water boiler operates at or

below 160 psig water pressure and 250 °F water temperature.

(7) *Outdoor furnace or boiler* is a furnace or boiler normally intended for installation out-of-doors or in an unheated space (such as an attic or a crawl space).

(8) *Weatherized warm air furnace or boiler* means a furnace or boiler designed for installation outdoors, approved for resistance to wind, rain, and snow, and supplied with its own venting system.

(b) *Central air conditioner* means a product, other than a packaged terminal air conditioner, which is powered by single phase electric current, air cooled, rated below 65,000 Btu per hour, not contained within the same cabinet as a furnace, the rated capacity of which is above 225,000 Btu per hour, and is a heat pump or a cooling only unit.

(1) Condenser-evaporator coil combination means a condensing unit made by one manufacturer and one of several evaporator coils, either manufactured by the same manufacturer or another manufacturer, intended to be combined with that particular condensing unit.

(2) Condensing unit means a component of a “central air conditioner” which is designed to remove heat absorbed by the refrigerant and to transfer it to the outside environment, and which consists of an outdoor coil, compressor(s), and air moving device.

(3) Evaporator coil means a component of a central air conditioner which is designed to absorb heat from an enclosed space and transfer the heat to a refrigerant.

(4) Single package unit means any central air conditioner in which all the major assemblies are enclosed in one cabinet.

(5) Split system means any central air conditioner in which one or more of the major assemblies are separate from the others.

(c) *Heat pump* means a product, other than a packaged terminal heat pump, which consists of one or more assemblies, powered by single phase electric current, rated below 65,000 Btu per hour, utilizing an indoor conditioning coil, compressor, and refrigerant-to-outdoor air heat exchanger to provide air heating, and may also provide air cooling, dehumidifying, humidifying, circulating, and air cleaning.

### **§305.5 Description of lighting products.**

(a) *Fluorescent lamp ballast* means a device which is used to start and operate fluorescent lamps by providing a starting voltage and current and limiting the current during normal operation.

(b) *Fluorescent lamp*: (1) Means a low pressure mercury electric-discharge source in which a fluorescing coating transforms some of the ultra-violet energy generated by the mercury discharge into light, including only the following:

(i) Any straight-shaped lamp (commonly referred to as 4-foot medium bi-pin lamps) with medium bi-pin bases of nominal overall length of 48 inches and rated wattage of 28 or more;

(ii) Any U-shaped lamp (commonly referred to as 2-foot U-shaped lamps) with medium bi-pin bases of nominal overall length between 22 and 25 inches and rated wattage of 28 or more;

(iii) Any rapid start lamp (commonly referred to as 8-foot high output lamps) with recessed double contact bases of nominal overall length of 96 inches and 0.800 nominal amperes, as defined in ANSI C78.1-1978 and related supplements (copies of ANSI C78.1-1978 and related supplements may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036); and

(iv) Any instant start lamp (commonly referred to as 8-foot slimline lamps) with single pin bases of nominal overall length of 96 inches and rated wattage of 52 or more, as defined in ANSI C78.3-1978 (R1984) and related supplement ANSI C78.3a-1985 (copies of ANSI C78.3-1978 (R1984) and related supplement ANSI C78.3a-1985 may be obtained from the American National Standards Institute, 11 West 42nd St., New York, NY 10036); but

(2) *Fluorescent lamp* does not mean any lamp excluded by the Department of Energy, by rule, as a result of a determination that standards for such lamp would not result in significant energy savings because such lamp is designed for special applications or has special characteristics not available in reasonably substitutable lamp types; and

(3) *General service fluorescent lamp* means a fluorescent lamp which can be used to satisfy the majority of fluorescent applications, but does not mean any lamp designed and marketed for the following nongeneral lighting applications:

(i) Fluorescent lamps designed to promote plant growth;

(ii) Fluorescent lamps specifically designed for cold temperature installations;

(iii) Colored fluorescent lamps;

(iv) Impact-resistant fluorescent lamps;

(v) Reflectorized or aperture lamps;

(vi) Fluorescent lamps designed for use in reprographic equipment;

(vii) Lamps primarily designed to produce radiation in the ultra-violet region of the spectrum; and

(viii) Lamps with a color rendering index of 82 or greater.

(c) *General service lamp* means:

(1) A lamp that is:

(i) A medium base compact fluorescent lamp;

(ii) A general service incandescent lamp;

(iii) A general service light-emitting diode (LED or OLED) lamp; or

(iv) Any other lamp that the Secretary of Energy determines is used to satisfy lighting applications traditionally served by general service incandescent lamps.

(2) Exclusions. The term general service lamp does not include—

(i) Any lighting application or bulb shape described in paragraphs (e)(3)(ii)(A) through (T) of this section; and

(ii) Any general service fluorescent lamp.

(d) *Medium base compact fluorescent lamp* means an integrally ballasted fluorescent lamp with a medium screw base, a rated input voltage range of 115 to 130 volts and which is designed as a direct replacement for a general service incandescent lamp; however, the term does not include—

(1) Any lamp that is:

(i) Specifically designed to be used for special purpose applications; and

(ii) Unlikely to be used in general purpose applications, such as the applications described in the definition of “General Service Incandescent Lamp” in paragraph (e)(3)(ii) of this section; or

(2) Any lamp not described in the definition of “General Service Incandescent Lamp” in this section and that is excluded by the Department of Energy, by rule, because the lamp is—

(i) Designed for special applications; and

(ii) Unlikely to be used in general purpose applications.

(e) *Incandescent lamp*:

(1) Means a lamp in which light is produced by a filament heated to incandescence by an electric current, including only the following:

(i) Any lamp (commonly referred to as lower wattage nonreflector general service lamps, including any tungsten halogen lamp) that has a rated wattage between 30 and 199 watts, has an E26 medium screw base, has a rated voltage or voltage range that lies at least partially within 115 and 130 volts, and is not a reflector lamp;

(ii) Any lamp (commonly referred to as a reflector lamp) which is not colored or designed for rough or vibration service applications, that contains an inner reflective coating on the outer bulb to direct the light, an R, PAR, ER, BR, BPAR, or similar bulb shapes with E26 medium screw bases, a rated voltage or voltage range that lies at least partially within 115 and 130 volts, a diameter which exceeds 2.25 inches, and has a rated wattage that is 40 watts or higher;

(iii) Any general service incandescent lamp (commonly referred to as a high- or higher wattage lamp) that has a rated wattage above 199 watts (above 205 watts for a high wattage reflector lamp); but

(2) Incandescent lamp does not mean any lamp excluded by the Secretary of Energy, by rule, as a result of a determination that standards for such lamp would not result in significant energy savings because such lamp is designed for special applications or has special characteristics not available in reasonably substitutable lamp types;

(3) *General service incandescent lamp* means:

(i) In general, a standard incandescent, halogen, or reflector type lamp that—

(A) Is intended for general service applications;

(B) Has a medium screw base;

(C) Has a lumen range of not less than 310 lumens and not more than 2,600 lumens; and

(D) Is capable of being operated at a voltage range at least partially within 110 and 130 volts.

(ii) Exclusions. The term “general service incandescent lamp” does not include the following incandescent lamps:

(A) An appliance lamp as defined at 42 U.S.C. 6291(30);

(B) A black light lamp;

(C) A bug lamp;

(D) A colored lamp as defined at 42 U.S.C. 6291(30);

(E) An infrared lamp;

(F) A left hand thread lamp;

(G) A marine lamp;

(H) A marine signal service lamp;

(I) A mine service lamp;

(J) A plant light lamp;

(K) A rough service lamp as defined at 42 U.S.C. 6291(30);

(L) A shatter resistant lamp (including a shatter-proof lamp and a shatter-protected lamp);

(M) A sign service lamp;

- (N) A silver bowl lamp;
- (O) A showcase lamp;
- (P) A traffic signal lamp;
- (Q) A vibration service lamp as defined at 42 U.S.C. 6291(30);
- (R) A G shape lamp (as defined in ANSI C78.20-2003 and C79.1-2002) with a diameter of 5 inches or more;
- (S) A T shape lamp (as defined in ANSI C78.20-2003 and C79.1-2002) and that uses not more than 40 watts or has a length of more than 10 inches; or
- (T) A B, BA, CA, F, G16-1/2, G-25, G-30, S, or M-14 lamp (as defined in ANSI C79.1-2002 and ANSI C78.20-2003) of 40 watts or less.
- (4) Incandescent reflector lamp means a lamp described in paragraph (e)(1)(ii) of this section; and
- (5) Tungsten halogen lamp means a gas filled tungsten filament incandescent lamp containing a certain proportion of halogens in an inert gas.
- (f) *Light emitting diode (LED)* means a p-n junction solid state device the radiated output of which is a function of the physical construction, material used, and exciting current of the device. The output of a light emitting diode may be in -
- (1) The infrared region;
  - (2) The visible region; or
  - (3) The ultraviolet region.
- (g) *Organic light emitting diode (OLED)* means a thin-film light-emitting device that typically consists of a series of organic layers between 2 electrical contacts (electrodes).
- (h) *General service light-emitting diode (LED or OLED) lamp* means any light emitting diode (LED or OLED) lamp that:
- (1) Is a consumer product;
  - (2) Is intended for general service applications;
  - (3) Has a medium screw base;
  - (4) Has a lumen range of not less than 310 lumens and not more than 2,600 lumens; and
  - (5) Is capable of being operated at a voltage range at least partially within 110 and 130 volts.

(i) *Metal halide lamp fixture* means a light fixture for general lighting application that is designed to be operated with a metal halide lamp and a ballast for a metal halide lamp and that is subject to and complies with Department of Energy efficiency standards issued pursuant to 42 U.S.C. 6295.

(1) Metal halide ballast means a ballast used to start and operate metal halide lamps.

(2) Metal halide lamp means a high intensity discharge lamp in which the major portion of the light is produced by radiation of metal halides and their products of dissociation, possibly in combination with metallic vapors.

(j) *Specialty consumer lamp* means

(1) Any lamp that:

(i) Is not included under the definition of general service lamp in this part;

(ii) Has a lumen range between 310 lumens and no more than 2,600 lumens or a rated wattage between 30 and 199;

(iii) Has one of the following bases:

(A) A medium screw base;

(B) A candelabra screw base;

(C) A GU-10 base; or

(D) A GU-24 base; and

(iv) Is capable of being operated at a voltage range at least partially within 110 and 130 volts.

(2) Inclusions. The term *specialty consumer lamp* includes, but is not limited to, the following lamps if such lamps meet the conditions listed in paragraph (1):

(i) vibration-service lamps as defined at 42 U.S.C. 6291(30)(AA);

(ii) rough service lamps as defined at 42 U.S.C. 6291(30)(X);

(iii) appliance lamps as defined at 42 U.S.C. 6291(30)(T); and

(iv) shatter resistant lamps (including a shatter proof lamp and a shatter protected lamp) as defined in 42 U.S.C. 6291(30)(Z).

(3) Exclusions. The term *specialty consumer lamp* does not include:

(i) A black light lamp;

(ii) A bug lamp;

- (iii) A colored lamp;
- (iv) An infrared lamp;
- (v) A left-hand thread lamp;
- (vi) A marine lamp;
- (vii) A marine signal service lamp;
- (viii) A mine service lamp;
- (ix) A sign service lamp;
- (x) A silver bowl lamp;
- (xi) A showcase lamp;
- (xii) A traffic signal lamp;
- (xiii) A G-shape lamp with diameter of 5 inches or more;
- (xiv) A C7, M-14, P, RP, S, or T shape lamp;
- (xv) A intermediate screw-base lamp; and
- (xvi) A plant light lamp.

**§305.6 Description of plumbing products.**

(a) *Showerhead* means a component or set of components distributed in commerce for attachment to a single supply fitting, for spraying water onto a bather, typically from an overhead position, excluding safety shower showerheads.

(b) *Faucet* means a lavatory faucet, kitchen faucet, metering faucet, or replacement aerator for a lavatory or kitchen faucet.

(c) *Water closet* means a plumbing fixture having a water-containing receptor which receives liquid and solid body waste and, upon actuation, conveys the waste through an exposed integral trap seal into a gravity drainage system, except such term does not include fixtures designed for installation in prisons.

(d) *Urinal* means a plumbing fixture which receives only liquid body waste and, on demand, conveys the waste through a trap seal into a gravity drainage system, except such term does not include fixtures designed for installation in prisons.

## **GENERAL**

### **§305.7 Prohibited acts.**

(a) It shall be unlawful and subject to the enforcement penalties of section 333 of the Act, as adjusted for inflation pursuant to §1.98 of this chapter, for each unit of any new covered product to which the part applies:

(1) For any manufacturer or private labeler knowingly to distribute in commerce any new covered product unless such covered product is marked and/or labeled in accordance with this part with a marking, label, hang tag, or energy fact sheet which conforms to the provisions of the Act and this part.

(2) For any manufacturer, distributor, retailer, or private labeler knowingly to remove or render illegible any marking or label required to be provided with such product by this part.

(3) For any manufacturer or private labeler knowingly to distribute in commerce any new covered product, if there is not included (i) on the label, (ii) separately attached to the product, or (iii) shipped with the product, additional information relating to energy consumption or energy efficiency which conforms to the requirements in this part.

(b) Subject to enforcement penalties assessed per model per day of violation pursuant to 42 U.S.C. 6303 and adjusted for inflation by §1.98 of this chapter, it shall be unlawful for any manufacturer or private labeler knowingly to:

(1) Refuse a request by the Commission or its designated representative for access to, or copying of, records required to be supplied under this part.

(2) Refuse to make reports or provide upon request by the Commission or its designated representative any information required to be supplied under this part.

(3) Refuse upon request by the Commission or its designated representative to permit a representative designated by the Commission to observe any testing required by this part while such testing is being conducted or to inspect the results of such testing. This section shall not limit the Commission from requiring additional testing under this part.

(4) Refuse, when requested by the Commission or its designated representative, to supply at the manufacturer's expense, no more than two of each model of each covered product to any laboratory designated by the Commission for the purpose of ascertaining whether the information in catalogs or set out on the label or marked on the product as required by this part is accurate. This action will be taken only after review of a manufacturer's testing records and an opportunity to revalidate test data has been extended to the manufacturer.

(5) Distribute in commerce any catalog containing a listing for a covered product without the information required by §305.27 of this part. This subsection shall also apply to distributors and retailers.

(6) Fail to make a label for a covered product available on a publicly accessible Web site in accordance with §305.9. This provision applies only to manufacturers.

(c) Pursuant to section 333(c) of the Act, it shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act (15 U.S.C. 45(a)(1)) for any manufacturer, distributor, retailer, or private labeler in or affecting commerce to display or distribute at point of sale any printed material applicable to a covered product under this rule if such printed material does not contain the information required by §305.26. This requirement does not apply to any broadcast advertisement or to any advertisement in a newspaper, magazine, or other periodical.

(d)(1) It shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act, 15 U.S.C. 45(a)(1), for any manufacturer, distributor, retailer or private labeler to make any representation in or affecting commerce, in writing (including a representation on a label) or in any broadcast advertisement, with respect to the energy use or efficiency or, in the case of showerheads, faucets, water closets, and urinals, water use of a covered product to which a test procedure is applicable under section 323 of the Act, 42 U.S.C. 6293, or the cost of energy consumed by such product, unless such product has been tested in accordance with such test procedure and such representation fairly discloses the results of such testing.

(2) Effective 180 days after an amended or new test procedure applicable to a covered product is prescribed or established under section 323(b) of the Act, 42 U.S.C. 6293(b), it shall be an unfair or deceptive act or practice in violation of section 5(a)(1) of the Federal Trade Commission Act, 15 U.S.C. 45(a)(1), for any manufacturer, distributor, retailer or private labeler to make any representation in or affecting commerce, in writing (including a representation on a label) or in any broadcast advertisement, with respect to the energy use or efficiency or, in the case of showerheads, faucets, water closets and urinals, water use of such product, or cost of energy consumed by such product, unless the product has been tested in accordance with such amended or new test procedures and such representation fairly discloses the results of such testing. This requirement is not limited to consumer appliance products covered by the labeling requirements of this part.

(e) This part shall not apply to:

(1) Any covered product if it is manufactured, imported, sold, or held for sale for export from the United States, so long as such product is not in fact distributed in commerce for use in the United States, and such covered product or the container thereof bears a stamp or label stating that such covered product is intended for export.

(2) Televisions manufactured before May 10, 2011.

(f) As used in paragraphs (a) and (b) of this section, the term *knowingly* means:

(1) The having of actual knowledge, or

(2) The presumed having of knowledge deemed to be possessed by a reasonable person who acts in the circumstances, including knowledge obtainable upon the exercise of due care.

## TESTING

### **§305.8 Determinations of estimated annual energy consumption, estimated annual operating cost, and energy efficiency rating, water use rate, and other required disclosure content.**

(a) Unless otherwise stated in paragraphs (b) and (c) of this section, the content of any disclosures required by this part must be determined in accordance with the testing and sampling provisions required by the Department of Energy as set forth in subpart B to 10 CFR part 430, 10 CFR part 431, and 10 CFR 429.11.

(b) For any representations required by this part but not subject to Department of Energy requirements and not otherwise specified in this section, manufacturers and private labelers of any covered product must possess and rely upon a reasonable basis consisting of competent and reliable scientific tests and procedures substantiating the representation.

(c) Representations for ceiling fans under §305.21 and televisions under §305.25 must be derived from applicable procedures in 10 CFR parts 429, 430, and 431.

### **§305.9 Duty to provide labels on Web sites.**

For each covered product required by this part to bear an EnergyGuide or Lighting Facts label, the manufacturer must make a copy of the label available on a publicly accessible Web site in a manner that allows catalog sellers to hyperlink to the label or download it for use in Web sites or paper catalogs. The label for each specific model must remain on the Web site for six months after production of that model ceases.

### **§305.10 Determinations of capacity.**

The capacity of covered products shall be determined as follows:

(a) *Refrigerators and refrigerator-freezers.* The capacity shall be the total refrigerated volume (VT) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix A to 10 CFR part 430, subpart B.

(b) *Freezers.* The capacity shall be the total refrigerated volume (VT) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix B to 10 CFR part 430, subpart B.

(c) *Dishwashers*. The capacity shall be the place-setting capacity, determined according to appendix C to 10 CFR part 430, subpart B.

(d) *Water heaters*. The capacity shall be the rated storage volume and first hour rating (for storage-type models), and gallons per minute (for instantaneous-type models), as determined according to appendix E to 10 CFR part 430, subpart B.

(e) *Pool heaters*. The capacity shall be the heating capacity in Btu's per hour, rounded to the nearest 1,000 Btu's per hour, as determined according to appendix P to 10 CFR part 430, subpart B.

(f) *Room air conditioners*. The capacity shall be the cooling capacity in Btu's per hour, as determined according to appendix F to 10 CFR part 430, subpart B, but rounded to the nearest value ending in hundreds that will satisfy the relationship that the value of CEER used in representations equals the rounded value of capacity divided by the value of input power in watts. If a value ending in hundreds will not satisfy this relationship, the capacity may be rounded to the nearest value ending in 50 that will.

(g) *Clothes washers*. The capacity shall be the tub capacity as determined according to Department of Energy test procedures in 10 CFR part 430, subpart B, expressed in terms of "Capacity (tub volume)" in cubic feet, rounded to the nearest one-tenth of a cubic foot, and the capacity class designations "standard" or "compact."

(h) *Furnaces*. The capacity shall be the heating capacity in Btu's per hour, rounded to the nearest 1,000 Btu's per hour, as determined according to appendix N to 10 CFR part 430, subpart B.

(i) *Central air conditioners, cooling*. The capacity shall be the cooling capacity in Btu's per hour, as determined according to appendix M to 10 CFR part 430, subpart B, rounded to the nearest 100 Btu's per hour for capacities less than 20,000 Btu's per hour; to the nearest 200 Btu's per hour for capacities between 20,000 and 37,999 Btu's per hour; and to the nearest 500 Btu's per hour for capacities between 38,000 and 64,999 Btu's per hour.

(j) *Central air conditioners, heating*. The capacity shall be the heating capacity in Btu's per hour, as determined according to appendix M to 10 CFR part 430, subpart B, rounded to the nearest 100 Btu's per hour for capacities less than 20,000 Btu's per hour; to the nearest 200 Btu's per hour for capacities between 20,000 and 37,999 Btu's per hour; and to the nearest 500 Btu's per hour for capacities between 38,000 and 64,999 Btu's per hour.

(k) *Fluorescent lamp ballasts*. The capacity shall be the ballast input voltage, as determined according to appendix Q to 10 CFR part 430, subpart B.

(l) *Ceiling fans*. The capacity shall be the airflow in cubic feet per minute as determined according to appendix U of 10 CFR part 430, subpart B.

#### **§305.11 Submission of data.**

(a)(1) Except as provided in paragraphs (a)(2) through (4) of this section, each manufacturer of a covered product subject to the disclosure requirements of this part and subject to Department of Energy certification requirements in 10 CFR part 429 shall submit annually a report for each model in current production containing the same information that must be submitted to the Department of Energy pursuant to 10 CFR part 429 for that product, and that the Department has identified as public information pursuant to 10 CFR part 429. In lieu of submitting the required information to the Commission as required by this section, manufacturers may submit such information to the Department of Energy via the CCMS at <https://regulations.doe.gov/ccms> as provided by 10 CFR 429.12.

(2) Manufacturers of ceiling fans shall submit annually a report containing the brand name, model number, diameter (in inches), wattage excluding any lights, airflow (capacity) for each basic model in current production, and starting serial number, date code or other means of identifying the date of manufacture with the first submission for each basic model. In lieu of submitting the required information to the Commission as required by this section, manufacturers may submit such information to the Department of Energy via the Compliance and Certification Management System (CCMS) at <https://regulations.doe.gov/ccms> as provided by 10 CFR 429.12.

(3) Manufacturers of televisions shall submit annually a report containing the brand name; model number; screen size (diagonal in inches); power (in watts) consumed in on mode, standby-passive mode, in standby-active mode, low mode, and off mode; and annual energy consumption (kWh/year) for each basic model in current production. The report should also include a starting serial number, date code, or other means of identifying the date of manufacture with the first submission for each basic model. In lieu of submitting the required information to the Commission as required by this section, manufacturers may submit such information to the Department of Energy via the Compliance and Certification Management System (CCMS) at <https://regulations.doe.gov/ccms> as provided by 10 CFR 429.12.

(4) This section does not require reports for general service light-emitting diode (LED or OLED) lamps or specialty consumer lamps.

(5) Manufacturers must submit a Web site address for the online EnergyGuide labels covered by §305.9 in new model and annual reports required by this section. Manufacturers may accomplish this by either submitting a specific link to a URL for each label, a link to a PDF download for each label, or a link to a Web site that takes users directly to a searchable database of the covered labels from which the label image or download may be accessed using the model number as certified to DOE pursuant to 10 CFR part 429 and the model number advertised in product literature. Such label information must be submitted either at the time the model is certified to DOE pursuant to 10 CFR part 429 or at some time on or before the annual report date immediately following such certification. In lieu of submitting the required information to the Commission, manufacturers may submit such information to the Department of Energy via the CCMS at <https://regulations.doe.gov/ccms> as provided by 10 CFR 429.12. The requirements in this paragraph do not apply to Lighting Facts labels.

(b)(1) All data required by §305.11(a) except serial numbers shall be submitted to the Commission annually, on or before the following dates:

<b>Product category</b>	<b>Deadline for data submission</b>
Refrigerators	Aug. 1
Refrigerators-freezers	Aug. 1
Freezers	Aug. 1
Central air conditioners	July 1
Heat pumps	July 1
Dishwashers	June 1
Water heaters	May 1
Room air conditioners	July 1
Furnaces	May 1
Pool heaters	May 1
Clothes washers	Oct. 1
Fluorescent lamp ballasts	Mar. 1
Showerheads	Mar. 1
Faucets	Mar. 1
Water closets	Mar. 1
Ceiling fans	Mar. 1
Urinals	Mar. 1
Metal halide lamp fixtures	Sept. 1
General service fluorescent lamps	Mar. 1
Medium base compact fluorescent lamps	Mar. 1
General service incandescent lamps	Mar. 1
Televisions	June 1

(2) All revisions to such data (both additions to and deletions from the preceding data) shall be submitted to the Commission as part of the next annual report period.

(c) All information required by paragraphs (a)(1) through (3) of this section must be submitted for new models prior to any distribution of such model. Models subject to design or

retrofit alterations which change the data contained in any annual report shall be reported in the manner required for new models. Models which are discontinued shall be reported in the next annual report.

**§305.12 Ranges of comparability on the required labels.**

(a) *Range of estimated annual energy costs or energy efficiency ratings.* The range of estimated annual operating costs or energy efficiency ratings for each covered product (except televisions, ceiling fans, fluorescent lamp ballasts, lamps, metal halide lamp fixtures, showerheads, faucets, water closets and urinals) shall be taken from the appropriate appendix to this part in effect at the time the labels are affixed to the product. The Commission shall publish revised ranges in the FEDERAL REGISTER in 2022. When the ranges are revised, all information disseminated after 90 days following the publication of the revision shall conform to the revised ranges. Products that have been labeled prior to the effective date of a modification under this section need not be relabeled.

(b) *Representative average unit energy cost.* The Representative Average Unit Energy Cost to be used on labels as required by §305.14 through §305.19 and disclosures as required by §305.27 are listed in appendices K1 and K2 to this part. The Commission shall publish revised Representative Average Unit Energy Cost figures in the FEDERAL REGISTER in 2022. When the cost figures are revised, all information disseminated after 90 days following the publication of the revision shall conform to the new cost figure.

(c) *Operating costs or efficiency ratings outside current range.* When the estimated annual operating cost or energy efficiency rating of a given model of a product covered by this section falls outside the limits of the current range for that product, which could result from the introduction of a new or changed model, the manufacturer shall:

(1) Omit placement of such product on the scale appearing on the label, and

(2) Add one of the two sentences below, as appropriate, in the space just below the scale on the label, as follows:

The estimated yearly energy cost of this model was not available at the time the range was published.

The energy efficiency rating of this model was not available at the time the range was published.

(3) For refrigerator and refrigerator-freezer labels:

(i) If the model's energy cost falls outside of either or both ranges on the label, include the language in paragraph (c)(2) of this section.

(ii) If the model's energy cost only falls outside of the range for models with similar features, but is within the range for all models, include the product on the scale and place a triangle below the dollar value.

(iii) If the model's energy cost falls outside of both ranges of comparability, omit the triangle beneath the yearly operating cost value.

## **REQUIRED DISCLOSURES**

### **§305.13 Layout, format, and placement of labels for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters, room air conditioners, and pool heaters.**

(a) *Coverage.* The requirements of this section apply to labels for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters, room air conditioners, and pool heaters.

(b) *Layout.* Energy labels shall use one size, similar colors, and typefaces with consistent positioning of headline, copy, and charts to maintain uniformity for immediate consumer recognition and readability. Trim size dimensions for the labels shall be as follows: width must be between 5 ¼ inches and 5 ½ inches (13.34 cm. and 13.97 cm.); length must be between 7 3/8 inches (18.73 cm.) and 7 5/8 (19.37 cm.). Copy is to be set between 27 picas and 29 picas and copy page should be centered (right to left and top to bottom). Depth is variable but should follow closely the prototype and sample labels appearing at the end of this part illustrating the basic layout. All positioning, spacing, type sizes, and line widths should be similar to and consistent with the prototype and sample labels in appendix L to this part.

(c) *Type style and setting.* The Arial series typeface or equivalent shall be used exclusively on the label. Specific sizes and faces to be used are indicated on the prototype labels. No hyphenation should be used in setting headline or copy text. Positioning and spacing should follow the prototypes closely. Generally, text must be set flush left with two points leading except where otherwise indicated. See the prototype labels for specific directions.

(d) *Colors.* The basic colors of all labels covered by this section shall be process yellow or equivalent and process black. The label shall be printed full bleed process yellow. All type and graphics shall be print process black.

(e) *Label types.* Except as indicated in paragraph (e)(3) of this section, the labels must be affixed to the product in the form of an adhesive label for any product covered by this section, or in the form of a hang tag for refrigerators, refrigerator-freezers, freezers, dishwashers, and clothes washers, as follows:

(1) *Adhesive labels.* All adhesive labels should be applied so they can be easily removed without the use of tools or liquids, other than water, but should be applied with an adhesive with an adhesion capacity sufficient to prevent their dislodgment during normal handling throughout the chain of distribution to the retailer or consumer. The paper stock for pressure-sensitive or other adhesive labels shall have a basic weight of not less than 58 pounds per 500 sheets (25" x 38") or equivalent, exclusive of the release liner and adhesive. A minimum peel adhesion capacity for

the adhesive of 12 ounces per square inch is suggested, but not required if the adhesive can otherwise meet the above standard. In lieu of a label with adhesive backing, manufacturers may adhere the label with adhesive tape, provided the tape is affixed along the entire top and bottom of the label.

(2) *Hang tags.* Labels may be affixed to the product interior in the form of a hang tag using cable ties or double strings connected through reinforced punch holes, or with attachment and label material of equivalent or greater strength and durability. If paper stock is used for hang tags, it shall have a basic weight of not less than 110 pounds per 500 sheets (25 ½" x 30 ½" index). When materials are used to attach the hang tags to appliance products, the materials shall be of sufficient strength to insure that if gradual pressure is applied to the hang tag by pulling it away from where it is affixed to the product, the hang tag will tear before the material used to affix the hang tag to the product breaks.

(3) *Package labels for certain products.* Labels for electric instantaneous water heaters shall be printed on or affixed to the product's packaging in a conspicuous location. Labels for room air conditioners produced on or after October 1, 2019 shall be printed on or affixed to the principal display panel of the product's packaging.

(f) *Placement—*(1) *Adhesive labels.* Manufacturers shall affix adhesive labels to the covered products in such a position that it is easily read by a consumer examining the product. The label should be generally located on the upper-right-front corner of the product's front exterior. However, some other prominent location may be used as long as the label will not become dislodged during normal handling throughout the chain of distribution to the retailer or consumer. The top of the label should not exceed 74 inches from the base of taller products. The label can be displayed in the form of a flap tag adhered to the top of the appliance and bent (folded at 90°) to hang over the front, as long as this can be done with assurance that it will be readily visible.

(2) *Hang tags.* A hang tag shall be affixed to the interior of the product in such a position that it can be easily read by a consumer examining the product. A hang tag can be affixed in any position that meets this requirement as long as the label will not become dislodged during normal handling throughout the chain of distribution to the retailer or consumer. Hang tags may only be affixed in refrigerators, refrigerator-freezers, freezers, dishwashers, and clothes washers.

#### **§305.14 Label content for refrigerators, refrigerator-freezers, and freezers.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with this part. The capacity provided on the label shall be the model's total refrigerated volume (VT) as determined in accordance with this part and the model description must be consistent with the categories described in Appendices A and B to this part.

(5) Unless otherwise indicated in this paragraph, estimated annual operating costs must be determined in accordance with this part. Labels for dual-mode refrigerator-freezers that can operate as either a refrigerator or a freezer must reflect the estimated energy cost of the model's most energy intensive configuration.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs.

(8) Labels must contain the model's estimated annual energy consumption as determined in accordance with this part and as indicated on the sample labels in appendix L.

(9) Labels must contain statements as illustrated in the prototype labels in appendix L and specified as follows by product type:

(i) Labels for refrigerators, refrigerator-freezers, and freezers shall contain the text and graphics illustrated in sample labels of appendix L, including the statement:

Compare ONLY to other labels with yellow numbers.

Labels with yellow numbers are based on the same test procedures.

(ii) Labels for refrigerators and refrigerator-freezers must contain a statement as illustrated in the prototype labels in appendix L and specified as follows (fill in the blanks with the appropriate energy cost figure):

Your cost will depend on your utility rates and use.

Both cost ranges based on models of similar size capacity.

[Insert statement required by (a)(9)(iii) of this section].

Estimated energy cost based on a national average electricity cost of \_\_\_ cents per kWh.

[ftc.gov/energy](http://ftc.gov/energy).

(iii) Labels for refrigerators and refrigerator-freezers shall include the following as part of the statement required by paragraph (a)(9)(ii) of this section:

(A) For models covered under appendix A1, the sentence shall read:

Models with similar features have automatic defrost and no freezer.

(B) For models covered under appendix A2, the sentence shall read:

Models with similar features have manual defrost.

(C) For models covered under appendix A3, the sentence shall read:

Models with similar features have partial automatic defrost.

(D) For models covered under appendix A4, the sentence shall read:

Models with similar features have automatic defrost, top-mounted freezer, and no through-the-door ice.

(E) For models covered under appendix A5, the sentence shall read:

Models with similar features have automatic defrost, side-mounted freezer, and no through-the-door ice.

(F) For models covered under appendix A6, the sentence shall read:

Models with similar features have automatic defrost, bottom-mounted freezer, and no through-the-door ice.

(G) For models covered under appendix A7, the sentence shall read:

Models with similar features have automatic defrost, bottom-mounted freezer and through-the-door ice.

(H) For models covered under appendix A8, the sentence shall read:

Models with similar features have automatic defrost, side-mounted freezer, and through-the-door ice.

(iv) Labels for freezers must contain a statement as illustrated in the prototype labels in appendix L and specified as follows (fill in the blanks with the appropriate energy cost figure):

Your cost will depend on your utility rates and use.

[Insert statement required by (a)(10)(v) of this section].

Estimated energy cost based on a national average electricity cost of \_\_\_ cents per kWh.

[ftc.gov/energy](http://ftc.gov/energy).

(v) For freezers, the following sentence shall be included as part of the statement required by paragraph (a)(9)(iv) of this section:

(A) For models covered under appendix B1, the sentence shall read:

Cost range based only on upright freezer models of similar capacity with manual defrost.

(B) For models covered under appendix B2, the sentence shall read:

Cost range based only on upright freezer models of similar capacity with automatic defrost.

(C) For models covered under appendix B3, the sentence shall read:

Cost range based only on chest and other freezer models of similar capacity.

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.15 Label content for clothes washers.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance this part.

(5) Estimated annual operating costs are as determined in accordance with this part. Labels must disclose estimated annual operating cost for both electricity and natural gas as illustrated in the sample labels in appendix L to this part.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs.

(8) Labels must contain the model's estimated annual energy consumption as determined in accordance with this part and as indicated on the sample labels in appendix L.

(9) Labels must contain a statement as illustrated in the prototype labels in appendix L and specified as follows (fill in the blanks with the appropriate capacity and energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on [compact/standard] capacity models.

Estimated energy cost is based on six wash loads a week and a national average electricity cost of \_\_ cents per kWh and natural gas cost of \$ \_\_ per therm.

[ftc.gov/energy](http://ftc.gov/energy).

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.16 Label content for dishwashers.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of

the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with this part.

(5) Estimated annual operating costs are as determined in accordance with this part. Labels must disclose estimated annual operating cost for both electricity and natural gas as illustrated in the sample labels in appendix L to this part.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs.

(8) Labels must contain the model's estimated annual energy consumption as determined in accordance with this part and as indicated on the sample labels in appendix L.

(9) Labels must contain a statement as illustrated in the prototype labels in appendix L and specified as follows (fill in the brackets with the appropriate capacity and the energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on [compact/standard] capacity models.

Estimated energy cost is based on four washloads a week, and a national average electricity cost of [\_\_] cents per kWh and natural gas cost of \$[\_\_] per therm.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only

manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

**§305.17 Label content for water heaters.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with this part. Capacity for storage water heaters shall be presented in both rated storage volume (“tank size (storage capacity)”) and first hour rating as indicated on the sample label in appendix L to this part.

(5) Estimated annual operating costs are as determined in accordance with this part.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs.

(8) Labels must contain the model's estimated annual energy consumption as determined in accordance with this part and as indicated on the sample labels in appendix L.

(9) Labels must contain a statement as illustrated in the prototype labels in appendix L and specified as follows by product type:

(i) For water heaters covered by appendices D1, D2, and D3, the statement will read as follows (fill in the blanks with the appropriate fuel type, and energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on models fueled by [natural gas, oil, propane, or electricity] with a [very small, low, medium, or high] first hour rating [fewer than 18 gallons, 18-50.9 gallons, 51-74.9 gallons, or greater than 75 gallons].

Estimated energy cost is based on a national average [electricity, natural gas, propane, or oil] cost of [\_\_ cents per kWh or \$\_\_ per therm or gallon].

Estimated yearly energy use: \_\_\_ [kWh or therms].

[ftc.gov/energy](http://ftc.gov/energy).

(ii) For instantaneous water heaters, the statement will read as follows (fill in the blanks with the appropriate model type, and the energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on [electric models or models fueled by natural gas] with a [very small, low, medium, or high] gallons per minute rating [0 to 1.6, 1.7 to 2.7, 2.8 to 4.0, or greater than 4.0].

Estimated energy cost is based on a national average [electricity, natural gas, or propane] cost of [ \_\_\_ cents per kWh or \$\_\_\_ per therm or gallon].

Estimated yearly energy use: \_\_\_ [kWh or therms].

[ftc.gov/energy](http://ftc.gov/energy).

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.18 Label content for room air conditioners.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with this part.

(5) Estimated annual operating costs are as determined in accordance with this part.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs.

(8) Labels must contain the model's estimated annual energy consumption as determined in accordance with this part and as indicated on the sample labels in appendix L. Labels must contain the model's energy efficiency rating, as applicable, as determined in accordance with this part and as indicated on the sample labels in appendix L to this part.

(9) Labels must contain a statement as illustrated in the prototype labels in appendix L and specified as follows (fill in the blanks with the appropriate model type, year, energy type, and energy cost figure):

Your costs will depend on your utility rates and use.

Cost range based only on models [of similar capacity without reverse cycle and with louvered sides; of similar capacity without reverse cycle and without louvered sides; with reverse cycle and with louvered sides; or with reverse cycle and without louvered sides].

Estimated annual energy cost is based on a national average electricity cost of \_\_cents per kWh and a seasonal use of 8 hours use per day over a 3 month period.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.19 Label content for pool heaters.**

(a) *Label content.*

(1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part, are standard for all labels.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with this part

(5) Thermal efficiencies are as determined in accordance with this part.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for thermal efficiencies are found in the appropriate appendices accompanying this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest thermal efficiencies.

(8) Labels must contain the model's energy efficiency rating or thermal efficiency, as applicable, as determined in accordance with this part and as indicated on the sample labels in appendix L to this part.

(9) Labels must contain a statement as illustrated in the prototype labels in appendix L and specified as follows:

Efficiency range based only on models fueled by [natural gas or oil].

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

(10) The following statement shall appear on each label as illustrated in the prototype and sample labels in appendix L:

Federal law prohibits removal of this label before consumer purchase.

(b) *Additional information.* No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(1) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(2) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(3) The manufacturer or private labeler may include the ENERGY STAR logo on the bottom right corner of the label for certified products. The logo must be 1 inch by 1 inch in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.20 Labeling for central air conditioners, heat pumps, and furnaces.**

(a) *Layout.* All energy labels for central air conditioners, heat pumps, and furnaces (including boilers) shall use one size, similar colors, and typefaces with consistent positioning of headline, copy, and charts to maintain uniformity for immediate consumer recognition and readability. Trim size dimensions for all labels shall be as follows: width must be between 5¼ inches and 5½ inches (13.34 cm. and 13.97 cm.); length must be between 7¾ inches (18.78 cm.) and 7⅝ (19.34 cm.). Copy is to be set between 27 picas and 29 picas and copy page should be centered (right to left and top to bottom). Depth is variable but should follow closely the prototype labels appearing at the end of this part illustrating the basic layout. All positioning, spacing, type sizes, and line widths should be similar to and consistent with the prototype and sample labels in appendix L.

(b) *Type style and setting.* The Arial series typeface or equivalent shall be used exclusively on the label. Specific sizes and faces to be used are indicated on the prototype labels. No hyphenation should be used in setting headline or copy text. Positioning and spacing should follow the prototypes closely. Generally, text must be set flush left with two points leading except where otherwise indicated. See the prototype labels for specific directions.

(c) *Colors.* The basic colors of all labels covered by this section shall be process yellow or equivalent and process black. The label shall be printed full bleed process yellow. All type and graphics shall be print process black.

(d) *Label type.* The labels must be affixed in the form of an adhesive label, unless otherwise indicated by this section. All adhesive labels should be applied with an adhesive with an adhesion capacity sufficient to prevent their dislodgment during normal handling throughout the chain of distribution to the retailer or consumer. The paper stock for pressure-sensitive or other

adhesive labels shall have a basic weight of not less than 58 pounds per 500 sheets (25"x38") or equivalent, exclusive of the release liner and adhesive. A minimum peel adhesion capacity for the adhesive of 12 ounces per square inch is suggested, but not required if the adhesive can otherwise meet the above standard.

(e) *Placement.* (1) Manufacturers shall affix adhesive labels to the covered products in such a position that they are easily read by persons examining the products. The labels should be generally located on the upper-right-front corner of each product's front exterior. However, other prominent locations may be used as long as labels will not become dislodged during normal handling throughout the chain of distribution to retailers or consumers. Tops of the labels should not exceed 74 inches from the base of taller products. Labels can be displayed in the form of a flap tag adhered to the top of the appliance and bent (folded at 90°) to hang over the front, as long as this can be done with assurance that it will be readily visible. Labels for split-system central air conditioners should be affixed to the condensing unit.

(2) In addition to the requirements of paragraph (e)(1), for split-system and single-package central air conditioners, and all non-weatherized and mobile home furnaces manufactured on or after the compliance date of regional efficiency standards issued by the Department of Energy for those products in 10 CFR part 430, manufacturers shall affix labels to covered product packages or the products themselves in positions that allow persons examining the packaged products to read the labels easily. Labels on packaging must be affixed via adhesive or another means sufficient to prevent their dislodgment during normal handling throughout the chain of distribution to the retailer or consumer. Labels for split-system central air conditioners should be affixed to condensing units' packages or condensing units consistent with this paragraph.

(f) *Content of furnace labels: Content of labels for non-weatherized furnaces, weatherized furnaces, mobile home furnaces, electric furnaces, and boilers.* (1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) The model's basic model number. The label may include multiple model numbers on a single label for models as long as the models share the same efficiency ratings and capacities and the presentation of such information is clear and prominent.

(4) The model's capacity. Inclusion of capacity is optional at the discretion of the manufacturer or private labeler.

(5) The annual fuel utilization efficiency (AFUE) for furnace models as determined in accordance with this part.

(6) Ranges of comparability consisting of the lowest and highest annual fuel utilization efficiency (AFUE) ratings for all furnaces of the model's type consistent with the sample labels in appendix L.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest annual fuel utilization efficiency ratings forming the scale.

(8) The following statement shall appear in bold print on furnace labels adjacent to the range(s) as illustrated in the sample labels in appendix L:

For energy cost info, visit *productinfo.energy.gov*.

(9) The following statement shall appear at the top of the label as illustrated in the sample labels in appendix L to this part:

Federal law prohibits removal of this label before consumer purchase.

(10) No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(i) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(ii) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(iii) The manufacturer may include the ENERGY STAR logo on the label for certified products in a location consistent with the sample labels in appendix L to this part. The logo must be no larger than 1 inch by 3 inches in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on qualifying covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

(11) Manufacturers of boilers shipped with more than one input nozzle to be installed in the field must label such boilers with the AFUE of the system when it is set up with the nozzle that results in the lowest AFUE rating.

(12) Manufacturers that ship out boilers that may be set up as either steam or hot water units must label the boilers with the AFUE rating derived by conducting the required test on the boiler as a hot water unit.

(13) Manufacturers of oil furnaces must label their products with the AFUE rating associated with the furnace's input capacity set by the manufacturer at shipment. The oil furnace label may also contain a chart, as illustrated in sample label 9B in appendix L to this part,

indicating the efficiency rating at up to three additional input capacities offered by the manufacturer. Consistent with paragraph (f)(10)(iii) of this section, labels for oil furnaces may include the ENERGY STAR logo only if the model qualifies for that program on all input capacities displayed on the label.

(14) Manufacturers of models that qualify as both furnaces and central air conditioners or heat pumps under DOE requirements may combine the disclosures required by this section on one label for models that meet all applicable DOE regional efficiency standards.

(g) *Content of central air conditioner labels: Content of labels for central air conditioners and heat pumps.* (1) Headlines and texts, as illustrated in the prototype and sample labels in appendix L to this part.

(2) Name of manufacturer or private labeler shall, in the case of a corporation, be deemed to be satisfied only by the actual corporate name, which may be preceded or followed by the name of the particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used. Inclusion of the name of the manufacturer or private labeler is optional at the discretion of the manufacturer or private labeler.

(3) The model's basic model number. The label may include multiple model numbers on a single label for models as long as the models share the same efficiency ratings and capacities and the presentation of such information is clear and prominent.

(4) The model's capacity. Inclusion of capacity is optional at the discretion of the manufacturer or private labeler for all models except split-system labels, which may not disclose capacity.

(5) The seasonal energy efficiency ratio (SEER) for the cooling function of central air conditioners as determined in accordance with this part. For the heating function, the heating seasonal performance factor (HSPF) shall be calculated for heating Region IV for the standardized design heating requirement nearest the capacity measured in the High Temperature Test in accordance with this part. In addition, as illustrated in the sample labels in appendix L to this part, the ratings for any split-system air conditioner condenser evaporator coil combinations shall be the minimum rating of all condenser-evaporator coil combinations certified to the Department of Energy pursuant to 10 CFR part 430. The ratings for any split-system heat pump condenser-evaporator coil combinations shall include the low and high ratings of all condenser-evaporator coil combinations certified to the Department of Energy pursuant to 10 CFR part 430.

(6)(i) Each cooling-only central air conditioner label shall contain a range of comparability consisting of the lowest and highest SEER for all cooling-only central air conditioners consistent with sample label 7 in appendix L to this part.

(ii) Each heat pump label, except as noted in paragraph (g)(6)(iii) of this section, shall contain two ranges of comparability. The first range shall consist of the lowest and highest seasonal energy efficiency ratios for the cooling side of all heat pumps consistent with sample

label 8 in appendix L to this part. The second range shall consist of the lowest and highest heating seasonal performance factors for the heating side of all heat pumps consistent with sample label 8 in appendix L to this part.

(iii) Each heating-only heat pump label shall contain a range of comparability consisting of the lowest and highest heating seasonal performance factors for all heating-only heat pumps following the format of sample label 8 in appendix L to this part.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest efficiency ratings forming the scale.

(8) The following statement shall appear on the label in bold print as indicated in the sample labels in appendix L to this part.

For energy cost info, visit *productinfo.energy.gov*.

(9) All labels on split-system condenser units must contain one of the following three statements:

(i) For labels disclosing only the seasonal energy efficiency ratio for cooling, the statement should read:

\* Your air conditioner's efficiency rating may be better depending on the coil your contractor installs.

(ii) For labels disclosing both the seasonal energy efficiency ratio for cooling and the heating seasonal performance factor for heating, the statement should read:

This system's efficiency ratings depend on the coil your contractor installs with this unit. The heating efficiency rating varies slightly in different geographic regions. Ask your contractor for details.

(iii) For labels disclosing only the heating seasonal performance factor for heating, the statement should read:

This system's efficiency rating depends on the coil your contractor installs with this unit. The efficiency rating varies slightly in different geographic regions. Ask your contractor for details.

(10) The following statement shall appear at the top of the label as illustrated in the sample labels in appendix L of this part:

Federal law prohibits removal of this label before consumer purchase.

(11) For any single-package air conditioner with a minimum Energy Efficiency Ratio (EER) of at least 11.0, any split system central air conditioner with a rated cooling capacity of at least

45,000 Btu/h and minimum efficiency ratings of at least 14 SEER and 11.7 EER, and any split-system central air conditioners with a rated cooling capacity less than 45,000 Btu/h and minimum efficiency ratings of at least 14 SEER and 12.2 EER, the label must contain the following regional standards information:

(i) A statement that reads:

Notice Federal law allows this unit to be installed in all U.S. states and territories.

(ii) For split systems, a statement that reads:

Energy Efficiency Ratio (EER): The installed system's minimum EER is \_\_\_\_.

(iii) For single-package air conditioners, a statement that reads:

Energy Efficiency Ratio (EER): This model's EER is [\_\_\_\_].

(12) For any split system central air conditioner with a rated cooling capacity of at least 45,000 Btu/h and minimum efficiency ratings of at least 14 SEER but lower than 11.7 EER, and any split-system central air conditioners with a rated cooling capacity less than 45,000 Btu/h and minimum efficiency ratings of at least 14 SEER but lower than 12.2 EER, the label must contain the following regional standards information.

(i) A statement that reads:

Notice Federal law allows this unit to be installed only in: AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, ID, IL, IA, IN, KS, KY, LA, MA, ME, MD, MI, MN, MO, MS, MT, NC, ND, NE., NH, NJ, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WV, WI, WY and U.S. territories. Federal law prohibits installation of this unit in other states.

(ii) A map appropriate for the model and accompanying text as illustrated in the sample label 7 in appendix L of this part.

(iii) A statement that reads:

Energy Efficiency Ratio (EER): The installed system's minimum EER is \_\_\_\_.

(13) For any split system central air conditioner with a minimum rated efficiency rating less than 14 SEER, the label must contain the following regional standards information:

(i) A statement that reads:

Notice Federal law allows this unit to be installed only in: AK, CO, CT, ID, IL, IA, IN, KS, MA, ME, MI, MN, MO, MT, ND, NE., NH, NJ, NY, OH, OR, PA, RI, SD, UT, VT, WA, WV, WI, WY, and U.S. Territories. Federal law prohibits installation of this unit in other states.

(ii) A map appropriate for the model and accompanying text as illustrated in the sample label 7 in appendix L of this part.

(iii) A statement that reads:

Energy Efficiency Ratio (EER): The installed system's minimum EER is \_\_\_.

(14) For any single-package air conditioner with a minimum EER below 11.0, the label must contain the following regional standards information:

(i) A statement that reads:

Notice Federal law allows this unit to be installed only in: AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, ID, IL, IA, IN, KS, KY, LA, MA, ME, MD, MI, MN, MO, MS, MT, NC, ND, NE., NH, NJ, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WV, WI, WY and U.S. territories. Federal law prohibits installation of this unit in other states.

(ii) A map appropriate for the model and accompanying text as illustrated in the sample label 7 in appendix L of this part.

(15) No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(i) A part or publication number identification may be included on this label, as desired by the manufacturer. If a manufacturer elects to use a part or publication number, it must appear in the lower right-hand corner of the label and be set in 6-point type or smaller.

(ii) The energy use disclosure labels required by the governments of Canada or Mexico may appear directly adjoining this label, as desired by the manufacturer.

(iii) The manufacturer may include the ENERGY STAR logo on the label for certified products in a location consistent with the sample labels in appendix L to this part. The logo must be no larger than 1 inch by 3 inches in size. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on qualifying covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

### **§305.21 Labeling for ceiling fans.**

(a) *Ceiling fans*—(1) *Content*. Any covered product that is a ceiling fan, except for large diameter and high-speed small diameter fans as defined in 10 CFR part 430, shall be labeled clearly and conspicuously on the package's principal display panel with the following information on the label consistent with the sample label in appendix L to this part:

(i) Headlines, including the title “EnergyGuide,” and text as illustrated in the sample label in appendix L to this part;

(ii) The product's estimated yearly energy cost based on 6.4 hours use per day and 12 cents per kWh;

(iii) The product's airflow expressed in cubic feet per minute and determined pursuant to §305.8;

(iv) The product's energy use expressed in watts and determined pursuant to §305.8 as indicated in the sample label in appendix L of this part;

(v) The statement “Based on 12 cents per kWh and 6.4 hours use per day”;

(vi) The statement “Your cost depends on rates and use”;

(vii) The statement “All estimates based on typical use, excluding lights”;

(viii) The statement “The higher the airflow, the more air the fan will move”;

(ix) The statement “Airflow Efficiency: \_\_Cubic Feet Per Minute Per Watt”;

(x) The address *ftc.gov/energy*;

(xi) For fans less than 19 inches in diameter, the label shall display a cost range of \$10 to \$50 along with the statement underneath the range “Cost Range of Similar Models (18” or smaller)”;

(xii) For fans from 19 or more inches and less than or equal to 84 inches in diameter, the label shall display a cost range of \$3 to \$34 along with the statement underneath the range “Cost Range of Similar Models (19”-84”).

(xiii) Placement of the labeled product on the scale proportionate to the lowest and highest estimated annual energy costs as illustrated in the Sample Labels in appendix L. When the estimated annual energy cost of a given model falls outside the limits of the current range for that product, the manufacturer shall place the product at the end of the range closest to the model's energy cost.

(xiv) The ENERGY STAR logo as illustrated on the ceiling fan label illustration in Appendix L for qualified products, if desired by the manufacturer. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on qualifying covered products; such manufacturers may add the ENERGY STAR logo to labels only on those products that are covered by the Memorandum of Understanding;

(2) *Label size, color, and text font.* The label shall be four inches wide and three inches high. The label colors shall be black text on a process yellow or other neutral contrasting background. The text font shall be Arial or another equivalent font. The label's text size, format, content, and the order of the required disclosures shall be consistent with the ceiling fan label illustration of appendix L of this part.

(3) *Placement.* The ceiling fan label shall be printed on or affixed to the principal display panel of the product's packaging.

(4) *Additional information.* No marks or information other than that specified in this part shall appear on this label, except a model name, number, or similar identifying information.

(5) *Labeling for "multi-mount" fans.* For "multi-mount" fan models that can be installed either extended from the ceiling or flush with the ceiling, the label content must reflect the lowest efficiency (cubic feet per minute per watt) configuration. Manufacturers may provide a second label depicting the efficiency at the other configuration.

## **§305.22 Energy information disclosures for heating and cooling equipment.**

The following provisions apply to any covered central air conditioner, heat pump, or furnace.

(a) *Manufacturer duty to provide labels.* For any covered central air conditioner, heat pump, or furnace model that a manufacturer distributes in commerce, the manufacturer must make a copy of the EnergyGuide label available on a publicly accessible Web site in a manner that allows catalog sellers and consumers to hyperlink to the label or download it for their use. The labels must remain on the Web site for six months after the manufacturer ceases the model's production.

(b) *Distribution.* (1) Manufacturers and private labelers must provide to distributors and retailers, including assemblers, EnergyGuide labels for covered central air conditioners, heat pumps, and furnaces (including boilers) they sell to them. The label may be provided in paper or electronic form (including Internet-based access). Distributors must give this information to retailers, including assemblers, they supply.

(2) Retailers, including assemblers, who sell covered central air conditioners, heat pumps, and furnaces (including boilers) to consumers must show the labels for the products they offer to customers and let them read the labels before the customers agree to purchase the product. For example, the retailer may display labeled units in their store or direct consumers to the labels in a binder or computer at a counter or service desk.

(3) Retailers, including installers and assemblers, who negotiate or make sales at a place other than their regular places of business, including sales over the telephone or through electronic communications, must show the labels for the products they offer to customers and let

them read the labels before the customers agree to purchase the product. If the labels are on a Web site, retailers, including assemblers, who negotiate or make sales at a place other than their regular places of business, may choose to provide customers with instructions to access such labels in lieu of showing them a paper version of the information. Retailers who choose to use the Internet for the required label disclosures must provide customers the opportunity to read such information prior to sale of the product.

(c) *Oil furnace labels.* If an installer installs an oil furnace with an input capacity different from that set by the manufacturer and the manufacturer identifies alternative capacities on the label, the installer must permanently mark the appropriate box on the EnergyGuide label displaying the installed input capacity and the associated AFUE as illustrated in Sample Labels in appendix L to this part.

### **§305.23 Labeling for lighting products.**

(a) *Fluorescent lamp ballasts and luminaires—(1) Contents.* Fluorescent lamp ballasts that are “covered products,” as defined in this part, and to which standards are applicable under section 325 of the Act, shall be marked conspicuously, in color-contrasting ink, with a capital letter “E” printed within a circle. Packaging for such fluorescent lamp ballasts, as well as packaging for luminaires into which they are incorporated, shall also be marked conspicuously with a capital letter “E” printed within a circle. For purposes of this section, the encircled capital letter “E” will be deemed “conspicuous,” in terms of size, if it is as large as either the manufacturer’s name or another logo, such as the “UL,” “CBM” or “ETL” logos, whichever is larger, that appears on the fluorescent lamp ballast, the packaging for such ballast or the packaging for the luminaire into which the covered ballast is incorporated, whichever is applicable for purpose of labeling.

(2) *Product labeling.* The encircled capital letter “E” on fluorescent lamp ballasts must appear conspicuously, in color-contrasting ink, (i.e., in a color that contrasts with the background on which the encircled capital letter “E” is placed) on the surface that is normally labeled. It may be printed on the label that normally appears on the fluorescent lamp ballast, printed on a separate label, or stamped indelibly on the surface of the fluorescent lamp ballast.

(3) *Package labeling.* For purposes of labeling under this section, packaging for such fluorescent lamp ballasts and the luminaires into which they are incorporated consists of the plastic sheeting, or “shrink-wrap,” covering pallet loads of fluorescent lamp ballasts or luminaires as well as any containers in which such fluorescent lamp ballasts or the luminaires into which they are incorporated are marketed individually or in small numbers. The encircled capital letter “E” on packages containing fluorescent lamp ballasts or the luminaires into which they are incorporated must appear conspicuously, in color-contrasting ink, on the surface of the package on which printing or a label normally appears. If the package contains printing on more than one surface, the label must appear on the surface on which the product inside the package is described. The encircled capital letter “E” may be printed on the surface of the package, printed on a label containing other information, printed on a separate label, or indelibly stamped on the surface of the package. In the case of pallet loads containing fluorescent lamp ballasts or the luminaires into which they are incorporated, the encircled capital letter “E” must appear

conspicuously, in color-contrasting ink, on the plastic sheeting, unless clear plastic sheeting is used and the encircled capital letter “E” is legible underneath this packaging. The encircled capital letter “E” must also appear conspicuously on any documentation that would normally accompany such a pallet load. The encircled capital letter “E” may appear on a label affixed to the sheeting or may be indelibly stamped on the sheeting. It may be printed on the documentation, printed on a separate label that is affixed to the documentation or indelibly stamped on the documentation.

(b) *General service lamps.* Except as provided in paragraph (f) of this section, any covered product that is a general service lamp shall be labeled as follows:

(1) *Principal display panel content.* The principal display panel of the product package shall be labeled clearly and conspicuously with the following information:

(i) The light output of each lamp included in the package, expressed as “Brightness” in average initial lumens rounded to the nearest five; and

(ii) The estimated annual energy cost of each lamp included in the package, expressed as “Estimated Energy Cost” in dollars and based on usage of 3 hours per day and 11 cents (\$0.11) per kWh.

(2) *Principal display panel format.* The light output (brightness) and energy cost shall appear in that order and with equal clarity and conspicuousness on the principal display panel of the product package. The format, terms, specifications, and minimum sizes shall follow the specifications and minimum sizes displayed in Prototype Label 5 in appendix L of this part.

(3) *Lighting Facts label content.* The side or rear display panel of the product package shall be labeled clearly and conspicuously with a Lighting Facts label that contains the following information in the following order:

(i) The light output of each lamp included in the package, expressed as “Brightness” in average initial lumens rounded to the nearest five;

(ii) The estimated annual energy cost of each lamp included in the package based on the average initial wattage, a usage rate of 3 hours per day and 11 cents (\$0.11) per kWh and explanatory text as illustrated in Prototype Label 6 in appendix L of this part;

(iii) The life, as defined in this part, of each lamp included in the package, expressed in years rounded to the nearest tenth (based on 3 hours operation per day);

(iv) The correlated color temperature of each lamp included in the package, as measured in degrees Kelvin and expressed as “Light Appearance” and by a number and a marker in the form of a scale as illustrated in Prototype Label 6 to appendix L of this part placed proportionately on the scale where the left end equals 2,600 K and the right end equals 6,600 K;

(v) The wattage, as defined in this part, for each lamp included in the package, expressed as energy used in average initial wattage;

(vi) The ENERGY STAR logo as illustrated in Prototype Label 6 to appendix L of this part for certified products, if desired by the manufacturer or private labeler. Only manufacturers or private labelers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency may add the ENERGY STAR logo to labels on certified covered products; such manufacturers or private labelers may add the ENERGY STAR logo to labels only on those products that are covered by the Memorandum of Understanding;

(vii) The design voltage of each lamp included in the package, if other than 120 volts;

(viii) For any general service lamp containing mercury, the following statement: “Contains Mercury For more on clean up and safe disposal, visit *epa.gov/cfl*.” The manufacturer may also print an “Hg[Encircled]” symbol on the label after the term “Contains Mercury”; and

(ix) No marks or information other than that specified in this part shall appear on the Lighting Facts label.

(4) *Standard Lighting Facts label format.* Except as provided in paragraph (b)(5) of this section, information specified in paragraph (b)(3) of this section shall be presented on covered lamp packages in the format, terms, explanatory text, specifications, and minimum sizes as shown in Prototype Labels 6 in appendix L of this part and consistent in format and orientation with Sample Labels 10, 11, or 12 in appendix L. The text and lines shall be all black or one color type, printed on a white or other neutral contrasting background whenever practical.

(i) The Lighting Facts information shall be set off in a box by use of hairlines and shall be all black or one color type, printed on a white or other neutral contrasting background whenever practical.

(ii) All information within the Lighting Facts label shall utilize:

(A) Arial or an equivalent type style;

(B) Upper and lower case letters;

(C) Leading as indicated in Prototype Label 6 in appendix L of this part;

(D) Letters that never touch;

(E) The box and hairlines separating information as illustrated in Prototype Labels 6 in appendix L of this part; and

(F) The minimum font sizes and line thicknesses as illustrated in Prototype Label 6 in appendix L of this part.

(5) *Lighting Facts format for small packages.* If the total surface area of the product package available for labeling is less than 24 square inches and the package shape or size cannot accommodate the standard label required by paragraph (b)(4) of this section, manufacturers may provide the information specified in paragraph (b)(3) of this section using a smaller, linear label following the format, terms, explanatory text, specifications, and minimum sizes illustrated in Prototype Label 7 in appendix L of this part.

(6) *Bilingual labels.* The information required by paragraphs (b)(1) through (5) of this section may be presented in a second language either by using separate labels for each language or in a bilingual label with the English text in the format required by this section immediately followed by the text in the second language. Sample Label 13 in appendix L of this part provides an example of a bilingual Lighting Facts label. All required information must be included in both languages. Numeric characters that are identical in both languages need not be repeated.

(7) *Product labeling.* Any general service lamp shall be labeled legibly on the product with the following information:

(i) The lamp's average initial lumens, expressed as a number rounded to the nearest five, adjacent to the word "lumens," both provided in minimum 8 point font; and

(ii) For general service lamps containing mercury, the following statement: "Mercury disposal: *epa.gov/cfl*" in minimum 8 point font.

(c) *Specialty consumer lamps.* (1) Any specialty consumer lamp that is a vibration-service lamp as defined at 42 U.S.C. 6291, rough service lamp as defined at 42 U.S.C. 6291(30), appliance lamp as defined at 42 U.S.C. 6291(30); or shatter resistant lamp (including a shatter proof lamp and a shatter protected lamp) must be labeled pursuant to the requirements in paragraphs (b)(1) through (7) of this section.

(2) *Specialty consumer lamp Lighting Facts label content.* All specialty consumer lamps not covered by paragraph (c)(1) of this section shall be labeled pursuant to the requirements of paragraphs (b)(1) through (7) of this section or as follows:

(i) The principal display panel of the product package shall be labeled clearly and conspicuously with the following information consistent with the Prototype Labels in Appendix L:

(A) The light output of each lamp included in the package, expressed as "Brightness" in average initial lumens rounded to the nearest five;

(B) The estimated annual energy cost of each lamp included in the package, expressed as "Estimated Energy Cost" in dollars and based on usage of 3 hours per day and 11 cents (\$0.11) per kWh; and

(C) The life, as defined in this part, of each lamp included in the package, expressed in years rounded to the nearest tenth (based on 3 hours operation per day).

(ii)(A) If the lamp contains mercury, the principal display panel shall contain the following statement in minimum 10 point font:

“Contains Mercury For more on clean up and safe disposal, visit [epa.gov/cfl](http://epa.gov/cfl).”

(B) The manufacturer may also print an “Hg[Encircled]” symbol on package after the term “Contains Mercury.”

(iii) If the lamp contains mercury, the lamp shall be labeled legibly on the product with the following statement: “Mercury disposal: [epa.gov/cfl](http://epa.gov/cfl)” in minimum 8 point font.

(iv) If the required disclosures for a lamp covered by paragraph (c)(2) of this section will not be legible on the front panel of a single-card, blister package due to the small size of the panel, the manufacturer or private labeler may print the statement “Lighting Facts see back” on the principal display panel consistent with the sample label in Appendix L as long as the Lighting Facts label required by paragraph (b)(3) of this section appears on the rear panel.

(v) No marks or information other than that specified in this part shall appear on the Lighting Facts label.

(3) *Specialty Lighting Facts label format.* Information specified in paragraph (c)(2) of this section shall be presented on covered lamp packages in the format, terms, explanatory text, specifications, and minimum sizes as shown in the Prototype Labels of appendix L and consistent in format and orientation with Sample Labels in Appendix L of this part. The text and lines shall be all black or one color type, printed on a white or other neutral contrasting background whenever practical.

(i) The Lighting Facts information shall be set off in a box by use of hairlines and shall be all black or one color type, printed on a white or other neutral contrasting background whenever practical.

(ii) All information within the Lighting Facts label shall utilize:

(A) Arial or an equivalent type style;

(B) Upper and lower case letters;

(C) Leading as indicated in the Prototype Labels in Appendix L of this part;

(D) Letters that never touch;

(E) The box and hairlines separating information as illustrated in the Prototype Labels in appendix L of this part; and

(F) The minimum font sizes and line thicknesses as illustrated in Prototype Labels in Appendix L of this part.

(iii) For small package labels covered by (c)(2)(iv) of this section, the words “Lighting Facts see back” shall appear on the primary display panel in a size and format specified in appendix L of this part.

(4) *Bilingual labels.* The information required by paragraph (c) of this section may be presented in a second language either by using separate labels for each language or in a bilingual label with the English text in the format required by this section immediately followed by the text in the second language. All required information must be included in both languages. Numeric characters that are identical in both languages need not be repeated.

(d) For lamps that do not meet the definition of general service lamp or specialty consumer lamp, manufacturers and private labelers have the discretion to label with the Lighting Facts label as long as they comply with all requirements applicable to specialty consumer lamps in this part.

(e)(1) Any covered incandescent lamp that is subject to and does not comply with the January 1, 2012 or January 1, 2013 efficiency standards specified in 42 U.S.C. 6295 or the DOE standards at 10 CFR 430.32(n)(5) effective July 14, 2012 shall be labeled clearly and conspicuously on the principal display panel of the product package with the following information in lieu of the labeling requirements specified in paragraph (b):

(2) The light output, energy usage and life ratings of any product covered by paragraph (c)(1) of this section shall appear in that order and with equal clarity and conspicuousness on the product's principal display panel. The light output, energy usage and life ratings shall be disclosed in terms of “lumens,” “watts,” and “hours” respectively, with the lumens, watts, and hours rating numbers each appearing in the same type style and size and with the words “lumens,” “watts,” and “hours” each appearing in the same type style and size. The words “light output,” “energy used,” and “life” shall precede and have the same conspicuousness as both the rating numbers and the words “lumens,” “watts,” and “hours,” except that the letters of the words “lumens,” “watts,” and “hours” shall be approximately 50% of the sizes of those used for the words “light output,” “energy used,” and “life,” respectively.

(f)(1) The required disclosures of any covered product that is a general service lamp or specialty consumer lamp shall be measured at 120 volts, regardless of the lamp's design voltage. If a lamp's design voltage is 125 volts or 130 volts, the disclosures of the wattage, light output, energy cost, and life ratings shall in each instance be:

(i) At 120 volts and followed by the phrase “at 120 volts.” In such case, the labels for such lamps also may disclose the lamp's wattage, light output, energy cost, and life at the design voltage (*e.g.*, “Light Output 1710 Lumens at 125 volts”); or

(ii) At the design voltage and followed by the phrase “at (125 volts/130 volts)” if the ratings at 120 volts are disclosed clearly and conspicuously on another panel of the package, and if all panels of the package that contain a claimed light output, energy cost, wattage or life clearly and conspicuously identify the lamp as “(125 volt/130 volt),” and if the principal display panel clearly and conspicuously discloses the following statement:

This product is designed for (125/130) volts. When used on the normal line voltage of 120 volts, the light output and energy efficiency are noticeably reduced. See (side/back) panel for 120 volt ratings.

(2) For any covered product that is an incandescent reflector lamp, the required disclosures of light output shall be given for the lamp's total forward lumens.

(3) For any covered product that is a compact fluorescent lamp, the required light output disclosure shall be measured at a base-up position; but, if the manufacturer or private labeler has reason to believe that the light output at a base-down position would be more than 5% different, the label also shall disclose the light output at the base-down position or, if no test data for the base-down position exist, the fact that at a base-down position the light output might be more than 5% less.

(4) For any covered product that is a general service lamp or specialty consumer lamp and operates at discrete, multiple light levels (*e.g.*, 800, 1600, and 2500 lumens), the light output, energy cost, and wattage disclosures required by this section must be provided at each of the lamp's levels of light output and the lamp's life provided on the basis of the shortest lived operating mode. The multiple numbers shall be separated by a “/” (*e.g.*, 800/1600/2500 lumens) if they appear on the same line on the label.

(5) A manufacturer or private labeler who distributes general service fluorescent lamps, general service lamps, or specialty consumer lamp without labels attached to the lamps or without labels on individual retail-sale packaging for one or more lamps may meet the package disclosure requirements of this section by making the required disclosures, in the manner and form required by those paragraphs, on the bulk shipping cartons that are to be used to display the lamps for retail sale.

(6) Any manufacturer or private labeler who makes any representation, other than those required by this section, on a package of any covered product that is a general service fluorescent lamp, general service lamp, or specialty consumer lamp regarding the cost of operation or life of such lamp shall clearly and conspicuously disclose in close proximity to such representation the assumptions upon which it is based, including, *e.g.*, purchase price, unit cost of electricity, hours of use, patterns of use. If those assumptions differ from those required for the cost and life information on the Lighting Facts label (11 cents per kWh and 3 hours per day), the manufacturer or private labeler must also disclose, with equal clarity and conspicuousness and in close proximity to, the same representation based on the assumptions for cost and life required on the Lighting Facts label.

(g)(1) Any covered product that is a general service fluorescent lamp or an incandescent reflector lamp shall be labeled clearly and conspicuously with a capital letter “E” printed within a circle and followed by an asterisk. The label shall also clearly and conspicuously disclose, either in close proximity to that asterisk or elsewhere on the label, the following statement:

\*[The encircled “E”] means this bulb meets Federal minimum efficiency standards.

(i) If the statement is not disclosed on the principal display panel, the asterisk shall be followed by the following statement:

See [Back,Top, Side] panel for details.

(ii) For purposes of this paragraph, the encircled capital letter “E” shall be clearly and conspicuously disclosed in color-contrasting ink on the label of any covered product that is a general service fluorescent lamp and will be deemed “conspicuous,” in terms of size, if it appears in typeface at least as large as either the manufacturer's name or logo or another logo disclosed on the label, such as the “UL” or “ETL” logos, whichever is larger.

(2) Instead of labeling any covered product that is a general service fluorescent lamp with the encircled “E” and with the statement described in paragraph (e)(1) of this section, a manufacturer or private labeler who would not otherwise put a label on such a lamp may meet the disclosure requirements of that paragraph by permanently marking the lamp clearly and conspicuously with the encircled “E.”

(3) Any cartons in which any covered products that are general service fluorescent lamps and general service lamps are shipped within the United States or imported into the United States shall disclose clearly and conspicuously the following statement:

These lamps comply with Federal energy efficiency labeling requirements.

(h) *Metal halide lamp fixtures and metal halide ballasts*—(1) *Contents.* Metal halide ballasts contained in a metal halide lamp fixture covered by this Part shall be marked conspicuously, in color-contrasting ink, with a capital letter “E” printed within a circle. Packaging for metal halide lamp fixtures covered by this part shall also be marked conspicuously with a capital letter “E” printed within a circle. For purposes of this section, the encircled capital letter “E” will be deemed “conspicuous,” in terms of size, if it is as large as either the manufacturer's name or another logo, such as the “UL,” “CBM” or “ETL” logos, whichever is larger, that appears on the metal halide ballast, or the packaging for the metal halide lamp fixture, whichever is applicable for purposes of labeling.

(2) *Product labeling.* The encircled capital letter “E” on metal halide ballasts must appear conspicuously, in color-contrasting ink (i.e., in a color that contrasts with the background on which the encircled capital letter “E” is placed) on the surface that is normally labeled. It may be printed on the label that normally appears on the metal halide ballast, printed on a separate label, or stamped indelibly on the surface of the metal halide ballast.

(3) *Package labeling.* For purposes of labeling under this section, packaging for metal halide lamp fixtures consists of the plastic sheeting, or “shrink-wrap,” covering pallet loads of metal halide lamp fixtures as well as any containers in which such metal halide lamp fixtures are marketed individually or in small numbers. The encircled capital letter “E” on packages containing metal halide lamp fixtures must appear conspicuously, in color-contrasting ink, on the surface of the package on which printing or a label normally appears. If the package contains printing on more than one surface, the label must appear on the surface on which the product

inside the package is described. The encircled capital letter “E” may be printed on the surface of the package, printed on a label containing other information, printed on a separate label, or indelibly stamped on the surface of the package. In the case of pallet loads containing metal halide lamp fixtures, the encircled capital letter “E” must appear conspicuously, in color-contrasting ink, on the plastic sheeting, unless clear plastic sheeting is used and the encircled capital letter “E” is legible underneath this packaging.

#### **§305.24 Labeling and marking for plumbing products.**

(a) *Showerheads and faucets.* Showerheads and faucets shall be marked and labeled as follows:

(1) Each showerhead and flow restricting or controlling spout end device shall bear a permanent legible marking indicating the flow rate, expressed in gallons per minute (gpm) or gallons per cycle (gpc), and the flow rate value shall be the actual flow rate or the maximum flow rate specified by the standards established in subsection (j) of section 325 of the Act, 42 U.S.C. 6295(j). Except where impractical due to the size of the fitting, each flow rate disclosure shall also be given in liters per minute (L/min) or liters per cycle (L/cycle). For purposes of this section, the marking indicating the flow rate will be deemed “legible,” in terms of placement, if it is located in close proximity to the manufacturer's identification marking.

(2) Each showerhead and faucet shall bear a permanent legible marking to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. Such marking shall be located where it can be seen after installation.

(3) The package for each showerhead and faucet shall disclose the manufacturer's name and the model number.

(4) The package or any label attached to the package for each showerhead or faucet shall contain at least the following: The flow rate expressed in gallons per minute (gpm) or gallons per cycle (gpc), and the flow rate value shall be the actual flow rate or the maximum flow rate specified by the standards established in subsection (j) of section 325 of the Act, 42 U.S.C. 6295(j). Each flow rate disclosure shall also be given in liters per minute (L/min) or liters per cycle (L/cycle).

(b) *Water closets and urinals.* Water closets and urinals shall be marked and labeled as follows:

(1) Each such fixture (and flushometer valve associated with such fixture) shall bear a permanent legible marking indicating the flow rate, expressed in gallons per flush (gpf), and the water use value shall be the actual water use or the maximum water use specified by the standards established in subsection (k) of section 325 of the Act, 42 U.S.C. 6295(k). Except where impractical due to the size of the fixture, each flow rate disclosure shall also be given in liters per flush (Lpf). For purposes of this section, the marking indicating the flow rate will be deemed “legible,” in terms of placement, if it is located in close proximity to the manufacturer's identification marking.

(2) Each water closet (and each component of the water closet if the fixture is comprised of two or more components) and urinal shall be marked with the manufacturer's name or trademark or, in the case of private labeling, the name or registered trademark of the customer for whom the unit was manufactured. This mark shall be legible, readily identified, and applied so as to be permanent. The mark shall be located so as to be visible after the fixture is installed, except for fixtures built into or for a counter or cabinet.

(3) The package, and any labeling attached to the package, for each water closet and urinal shall disclose the flow rate, expressed in gallons per flush (gpf), and the water use value shall be the actual water use or the maximum water use specified by the standards established in subsection (k) of section 325 of the Act, 42 U.S.C. 6295(k). Each flow rate disclosure shall also be given in liters per flush (Lpf).

(c) *Annual operating cost claims for covered plumbing products.* Until such time as the Commission has prescribed a format and manner of display for labels conveying estimated annual operating costs of covered showerheads, faucets, water closets, and urinals or ranges of estimated annual operating costs for the types or classes of such plumbing products, the Act prohibits manufacturers from making such representations on the labels of such covered products. 42 U.S.C. 6294(c)(8). If, before the Commission has prescribed such a format and manner of display for labels of such products, a manufacturer elects to provide for any such product a label conveying such a claim, it shall submit the proposed claim to the Commission so that a format and manner of display for a label may be prescribed.

### **§305.25 Television labeling.**

(a) *Layout.* All energy labels for televisions shall use one of three shapes: a vertical rectangle, a horizontal rectangle, and a triangle as detailed in Prototype Labels in appendix L. All label size, positioning, spacing, type sizes, positioning of headline, copy, and line widths must be consistent with the prototype and sample labels in appendix L. The minimum label size for the vertical rectangle label is 1.5" × 5.5". The minimum size for the horizontal rectangle label is 1.5" × 5.23". The minimum size for the triangle label is 4.5" × 4.5" (right angle sides).

(b) *Type style and setting.* The Arial series typeface or equivalent shall be used exclusively on the label. Prototype Labels in appendix L contain specific directions for type style and setting and indicate the specific sizes, leading, faces, positioning, and spacing to be used. No hyphenations should be used in setting headline or copy text.

(c) *Colors.* The basic colors of all labels and icons covered by this section shall be process yellow or equivalent and process black. The label shall be printed full bleed process yellow. All type and graphics shall be printed process black.

(d) *Label types.* Except as provided in paragraph (i), the labels must be affixed to the product in the form of either an adhesive label, cling label, or alternative label as follows:

(1) *Adhesive label.* All adhesive labels shall be applied so they can be easily removed without the use of tools or liquids, other than water, but shall be applied with an adhesive with an

adhesion capacity sufficient to prevent their dislodgment during normal handling throughout the chain of distribution to the retailer and consumer. The paper stock for pressure-sensitive or other adhesive labels shall have a basic weight of not less than 58 pounds per 500 sheets (25 × 38) or equivalent, exclusive of the release liner and adhesive. A minimum peel adhesion capacity for the adhesive of 12 ounces per square inch is suggested, but not required if the adhesive can otherwise meet the above standard.

(2) *Cling label.* Labels may be affixed, using the screen's static charge, to the product in the form of a cling label. The cling label shall be affixed in a manner that prevents dislodgment during normal handling throughout the chain of distribution to the retailer and consumer.

(3) *Alternative label.* In lieu of an adhesive or cling label, labels may be affixed using an alternative method to secure the label to the product as long as the method will prevent dislodgment during normal handling throughout the chain of distribution to the retailer and consumer. The label may not be affixed using a hang tag as described in §305.13(e)(2). The label shall consist of paper stock having a basic weight of not less than 110 pounds per 500 sheets (25 ½ " × 30 ½ ") or other material of equivalent durability.

(e) *Placement*—(1) *In general.* Except as provided in paragraph (i), all labels must be clear and conspicuous to consumers viewing the television screen from the front.

(2) *Adhesive label.* The adhesive label shall be in the shape of a horizontal or vertical rectangle and shall be located on the bezel in the bottom right-hand corner of the television. The horizontal rectangular label shall be located on the far right of the bottom bezel and the vertical rectangular label shall be located on the bottom of the right-hand bezel. Another location on the bezel may be used if the television's configuration prevents such placement.

(3) *Cling label.* The cling label shall be in the shape of a triangle and shall be located in the bottom right-hand corner of the screen.

(4) *Alternative label.* The alternative label shall be in the shape of either a horizontal rectangle, vertical rectangle, or triangle. It shall be visible from the front of the television and located in the bottom right-hand corner of the television. Another prominent location visible from the front of the television may be used if the television's configuration or the mechanism to secure the alternative label prevents such placement.

(f) *Label content.* The television label shall contain the following information:

(1) Headlines, texts, and statements as illustrated in the prototype and sample labels in appendix L to this part.

(2) Name of manufacturer or private labeler. This requirement shall, in the case of a corporation, be satisfied only by the actual corporate name, which may be preceded or followed by the name of a particular division of the corporation. In the case of an individual, partnership, or association, the name under which the business is conducted shall be used.

(3) Model number(s) as designated by the manufacturer or private labeler.

(4) Estimated annual energy costs determined in accordance with this part and based on a usage rate of 5 hours in on mode and 19 hours in standby (sleep) mode per day and an electricity cost rate of 12 cents per kWh.

(5) The applicable ranges of comparability for estimated annual energy costs based on the labeled product's diagonal screen size, according to the following table:

Screen size (diagonal)	Annual energy cost ranges for televisions	
	Low	High
16-20" (16.0 to 20.49")	\$3	\$4
21-23" (20.5 to 23.49")	4	5
24-29" (23.5 to 29.49")	4	7
30-34" (29.5 to 34.49")	6	13
35-39" (34.5 to 39.49")	7	13
40-44" (39.5 to 44.49")	5	21
45-49" (44.5 to 49.49")	6	24
50-54" (49.5 to 54.49")	8	34
55-59" (54.5 to 59.49")	8	34
60-64" (59.5 to 64.49")	12	48
65-69" (64.5 to 69.49")	10	51
69.5" or greater	15	97

(6) Placement of the labeled product on the scale proportionate to the lowest and highest estimated annual energy costs as illustrated in Prototype and Sample Labels in appendix L. When the estimated annual energy cost of a given television model falls outside the limits of the current range for that product, the manufacturer shall place the product at the end of the range closest to the model's energy cost.

(7) The model's estimated annual energy consumption as determined in accordance with this part and based on a usage rate of 5 hours in on mode and 19 hours in sleep (standby) mode per day.

(8) No marks or information other than that specified in this part shall appear on or directly adjoining this label except that:

(i) A manufacturer may include a part or publication number identification on the label, as long as it appears in the lower right-hand corner of the label and is set in 6-point type or smaller.

(ii) The manufacturer may include the ENERGY STAR logo on the label as illustrated in Sample Labels in appendix L. The logo must be 0.375" wide. Only manufacturers that have signed a Memorandum of Understanding with the Department of Energy or the Environmental Protection Agency covering the televisions to be labeled may add the ENERGY STAR logo to those labels.

(g) *Distribution of labels.* Consistent with section 305.9 of this part, for each covered television that a manufacturer distributes in commerce which is required by this part to bear an EnergyGuide label, the manufacturer must make a copy of the label available on a publicly accessible Web site in a manner that allows catalog sellers to hyperlink to the label or download it for use in Web sites or paper catalogs. The label for each specific model must remain on the Web site for six months after production of the model ceases.

### **§305.26 Promotional material displayed or distributed at point of sale.**

(a)(1) Any manufacturer, distributor, retailer or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product (except fluorescent lamp ballasts, metal halide lamp fixtures, general service fluorescent lamps, general service lamps, showerheads, faucets, water closets or urinals) shall clearly and conspicuously include in such printed material the following required disclosure:

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

(2) Any manufacturer, distributor, retailer or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product that is a fluorescent lamp ballast or metal halide lamp fixture to which standards are applicable under section 325 of the Act, shall disclose conspicuously in such printed material, in each description of such product, an encircled capital letter "E".

(3) Any manufacturer, distributor, retailer, or private labeler who prepares printed material for display or distribution at point of sale concerning a covered product that is a general service fluorescent lamp, general service lamps, and who makes any representation in such promotional material regarding the cost of operation of such lamp shall clearly and conspicuously disclose in close proximity to such representation the assumptions upon which it is based, including, e.g., purchase price, unit cost of electricity, hours of use, and patterns of use.

(4) Any manufacturer, distributor, retailer, or private labeler who prepares printed material for display or distribution at point-of-sale concerning a covered product that is a showerhead, faucet, water closet, or urinal shall clearly and conspicuously include in such printed material the product's water use, expressed in gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) or gallons and liters per flush (gpf and Lpf) as specified in this part.

(b) This section shall not apply to:

(1) Written warranties.

(2) Use and care manuals, installation instructions, or other printed material containing primarily post-purchase information for the purchaser.

(3) Printed material containing only the identification of a covered product, pricing information and/or non-energy related representations concerning that product.

(4) Any printed material distributed prior to the effective date listed in §305.7(e).

### **§305.27 Paper catalogs and Web sites.**

(a) Covered products offered for sale on the Internet. Any manufacturer, distributor, retailer, or private labeler who advertises a covered product on an Internet Web site in a manner that qualifies as a catalog under this Part shall disclose energy information as follows:

(1) *Content.*—(i) *Products required to bear EnergyGuide or Lighting Facts labels.* All Web sites advertising covered refrigerators, refrigerator-freezers, freezers, room air conditioners, clothes washers, dishwashers, ceiling fans, pool heaters, central air conditioners, heat pumps, furnaces, general service lamps, specialty consumer lamps (for products offered for sale after May 2, 2018), and televisions must display, for each model, a recognizable and legible image of the label required for that product by this part. The Web site may hyperlink to the image of the label using the sample EnergyGuide and Lighting Facts icons depicted in appendix L of this part. The Web site must hyperlink the image in a way that does not require consumers to save the hyperlinked image in order to view it.

(ii) *Products not required to bear EnergyGuide or Lighting Facts labels.* All Web sites advertising covered showerheads, faucets, water closets, urinals, general service fluorescent lamps, fluorescent lamp ballasts, and metal halide lamp fixtures must include the following disclosures for each covered product. For plumbing products, the Web site may hyperlink to the disclosures using a prominent link labeled “Water Usage” or a similar description which facilitates the disclosure of the covered product's rated water usage.

(A) Showerheads, faucets, water closets, and urinals. The product's water use, expressed in gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) or gallons and liters per flush (gpf and Lpf) as specified in this part.

(B) General service fluorescent lamps, fluorescent lamp ballasts, and metal halide lamp fixtures. A capital letter “E” printed within a circle.

(2) *Format.* The required Web site disclosures, whether label image, icon, or text, must appear clearly and conspicuously and in close proximity to the covered product's price on each Web page that contains a detailed description of the covered product and its price. The label and hyperlink icon must conform to the prototypes in appendix L, but may be altered in size to accommodate the Web page's design, as long as they remain clear and conspicuous to consumers viewing the page.

(b) Covered products offered for sale in paper catalogs. Any manufacturer, distributor, retailer, or private labeler that advertises a covered product in a paper publication that qualifies as a catalog under this Part shall disclose energy information as follows:

(1) *Content.* (i) Products required to bear EnergyGuide or Lighting Facts labels. All paper catalogs advertising covered products required by this Part to bear EnergyGuide or Lighting Facts labels illustrated in appendix L (refrigerators, refrigerator-freezers, freezers, room air conditioners, clothes washers, dishwashers, ceiling fans, pool heaters, central air conditioners, heat pumps, furnaces, general service fluorescent lamps, general service lamps, and televisions) must either display an image of the full label prepared in accordance with this Part, or make a text disclosure as follows:

(A) *Refrigerator, refrigerator-freezer, and freezer.* The capacity of the model determined in accordance with this part, the estimated annual operating cost determined in accordance with this part, and a disclosure stating “Your energy cost depends on your utility rates and use. The estimated cost is based on \_\_\_ cents per kWh. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).”

(B) *Room air conditioners and water heaters.* The capacity of the model determined in accordance with this part, the estimated annual operating cost determined in accordance with this part, and a disclosure stating “Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a [electricity, natural gas, propane, or oil] cost of [\$ \_\_\_ per kWh, therm, or gallon]. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).”

(C) *Clothes washers and dishwashers.* The capacity of the model for clothes washers determined in accordance with this part and the estimated annual operating cost for clothes washers and dishwashers determined in accordance with this part, and a disclosure stating “Your energy cost depends on your utility rates and use. The estimated cost is based on [4 washloads a week for dishwashers, or 8 washloads a week for clothes washers] and \_ cents per kWh for electricity and \$\_ per therm for natural gas. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).”

(D) *General service fluorescent lamps or general service lamps.* All the information concerning that lamp required by §305.23 of this part to be disclosed on the lamp's package, and, for general service lamps, a disclosure stating “Your energy cost depends on your utility rates and use. The estimated cost and life is based on 11 cents per kWh and 3 hours of use per day. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).” For the “Light Appearance” disclosure required by §305.23(b)(3)(iv), the catalog need only disclose the lamp's correlated color temperature in Kelvin (e.g., 2700 K). General service fluorescent lamps or incandescent reflector lamps must also include a capital letter “E” printed within a circle and the statement described in §305.23(g)(1).

(E) *Ceiling fans.* All the information required by §305.21.

(F) *Televisions.* The estimated annual operating cost determined in accordance with this part and a disclosure stating “Your energy cost depends on your utility rates and use. The estimated cost is based on 12 cents per kWh and 5 hours of use per day. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).”

(G) *Central air conditioners, heat pumps, and furnaces (including boilers), and pool heaters.* The capacity of the model determined in accordance with this part and the energy efficiency or thermal efficiency ratings determined in accordance with this part on each page that lists the covered product.

(ii) Products not required to bear EnergyGuide or Lighting Facts labels. All paper catalogs advertising covered products not required by this Part to bear labels with specific design characteristics illustrated in appendix L (showerheads, faucets, water closets, urinals, fluorescent lamp ballasts, and metal halide lamp fixtures) must make a text disclosure for each covered product identical to those required for Internet disclosures under §305.27(a)(1)(ii).

(2) *Format.* The required disclosures, whether text, label image, or icon, must appear clearly and conspicuously on each page that contains a detailed description of the covered product and its price. If a catalog displays an image of the full label, the size of the label may be altered to accommodate the catalog's design, as long as the label remains clear and conspicuous to consumers. For text disclosures made pursuant to §305.27(b)(1)(i) and (ii), the required disclosure may be displayed once per page per type of product if the catalog offers multiple covered products of the same type on a page, as long as the disclosure remains clear and conspicuous.

## **ADDITIONAL REQUIREMENTS**

### **§305.28 Test data records.**

(a) Test data shall be kept on file by the manufacturer of a covered product for a period of two years after production of that model has been terminated.

(b) Upon notification by the Commission or its designated representative, a manufacturer or private labeler shall provide, within 30 days of the date of such request, the underlying test data from which the water use or energy consumption rate, the energy efficiency rating, the estimated annual cost of using each basic model, or the light output, energy usage, correlated color temperature, and life ratings and, for fluorescent lamps, the color rendering index, for each basic model or lamp type were derived.

### **§305.29 Required testing by designated laboratory.**

Upon notification by the Commission or its designated representative, a manufacturer of a covered product shall supply, at the manufacturer's expense, no more than two of each model of each product to a laboratory, which will be identified by the Commission or its designated representative in the notice, for the purpose of ascertaining whether the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating, or the light output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, disclosed on the label or fact sheet or in an industry directory, or, as required in a catalog, or the representation made by the label that the product is in compliance with applicable standards in section 325 of the Act, 42 U.S.C. 6295, is accurate. Such a procedure will only be followed after the Commission or its staff has examined the underlying test data provided by the manufacturer as required by §305.28(b) and after the manufacturer has been

afforded the opportunity to reverify test results from which the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating for each basic model was derived, or the light output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, for each basic model or lamp type was derived. A representative designated by the Commission shall be permitted to observe any reverification procedures required by this part, and to inspect the results of such reverification. The Commission will pay the charges for testing by designated laboratories.

#### **EFFECT OF THIS PART**

##### **§305.30 Effect on other law.**

This regulation supersedes any State regulation to the extent required by section 327 of the Act. Pursuant to the Act, all State regulations that require the disclosure for any covered product of information with respect to energy consumption, other than the information required to be disclosed in accordance with this part, are superseded.

##### **§305.31 Stayed or invalid parts.**

If any section or portion of a section of this part is stayed or held invalid, the remainder of the part will not be affected.

##### **§305.32 [Reserved]**