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(b) The calendar year shall be marked upon the item legibly, conspicuously and nondeceptively, and in accordance with the further requirements of these regulations.

(1) The calendar year shall appear in arabic numerals, shall be based upon the Gregorian calendar and shall consist of four digits.

(2) The calendar year shall be marked on either the obverse or the reverse surface of the item. It shall not be marked on the edge of the item.

(3) An imitation political item of incusable material shall be incused with the calendar year in sans-serif numerals. Each numeral shall have a vertical dimension of not less than two millimeters (2.0 mm) and a minimum depth of three-tenths of one millimeter (0.3 mm) or one-half (½) the thickness of the reproduction, whichever is the lesser. The minimum total horizontal dimension for the four numerals composing the calendar year shall be six millimeters (6.0 mm).

(4) An imitation political button, poster, literature, sticker, or advertisement composed of nonincusable material shall be imprinted with the calendar year in sans-serif numerals. Each numeral shall have a vertical dimension of not less than two millimeters (2.0 mm). The minimum total horizontal dimension of the four numerals composing the calendar year shall be six millimeters (6.0 mm).

§ 304.6 Marking requirements for imitation numismatic items.

(a) An imitation numismatic item which is manufactured in the United States, or imported into the United States for introduction into or distribution in commerce, shall be plainly and permanently marked ''COPY''.

(b) The word ''COPY'' shall be marked upon the item legibly, conspicuously, and nondeceptively, and in accordance with the further requirements of these regulations.

(1) The word ''COPY'' shall appear in capital letters, in the English language.

(2) The word ''COPY'' shall be marked on either the obverse or the reverse surface of the item. It shall not be marked on the edge of the item.

(3) An imitation numismatic item of incusable material shall be incused with the word ''COPY'' in sans-serif letters having a vertical dimension of not less than two millimeters (2.0 mm) or not less than one-sixth of the diameter of the reproduction, and a minimum depth of three-tenths of one millimeter (0.3 mm) or to one-half (½) the thickness of the reproduction, whichever is the lesser. The minimum total horizontal dimension of the word ''COPY'' shall be six millimeters (6.0 mm) or not less than one-half of the diameter of the reproduction.

(4) An imitation numismatic item composed of nonincusable material shall be imprinted with the word ''COPY'' in sans-serif letters having a vertical dimension of not less than two millimeters (2.0 mm) or not less than one-sixth of the diameter of the reproduction. The minimum total horizontal dimension of the word ''COPY'' shall be six millimeters (6.0 mm) or not less than one-half of the diameter of the reproduction.

[40 FR 5496, Feb. 6, 1975, as amended at 53 FR 38942, Oct. 4, 1988]

PART 305—ENERGY AND WATER USE LABELING FOR CONSUMER PRODUCTS UNDER THE ENERGY POLICY AND CONSERVATION ACT (''ENERGY LABELING RULE'')

SCOPE

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305.1 Scope of the regulations in this part.

DEFINITIONS

305.2 Definitions.
305.3 Description of covered products.

GENERAL

305.4 Prohibited acts.

TESTING

305.5 Determinations of estimated annual energy consumption, estimated annual operating cost, and energy efficiency rating, water use rate, and other required disclosure content.
305.6 Duty to provide labels on Web sites.
305.7 Determinations of capacity.
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REPRESENTATIVE AVERAGE UNIT ENERGY COSTS

305.9 [Reserved]
305.10 Ranges of comparability on the required labels.

REQUIRED DISCLOSURES

305.11 Labeling for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters, room air conditioners, and pool heaters.
305.12 Labeling for central air conditioners, heat pumps, and furnaces.
305.13 Labeling for ceiling fans.
305.14 Energy information disclosures for heating and cooling equipment.
305.15 Labeling for lighting products.
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ADDITIONAL REQUIREMENTS

305.21 Test data records.
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EFFECT OF THIS PART

305.23 Effect on other law.
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APPENDIX A6 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH BOTTOM-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE
APPENDIX A7 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH TOP-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE
APPENDIX A8 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH SIDE-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE
APPENDIX B1 TO PART 305—UPRIGHT FREEZERS WITH MANUAL DEFROST
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APPENDIX C1 TO PART 305—COMPACT DISHWASHERS
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APPENDIX D1 TO PART 305—WATER HEATERS—GAS
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APPENDIX H TO PART 305—COOLING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS
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APPENDIX J1 TO PART 305—POOL HEATERS—GAS
APPENDIX J2 TO PART 305—POOL HEATERS—OIL
APPENDIX K TO PART 305—REPRESENTATIVE AVERAGE UNIT ENERGY COSTS
APPENDIX L TO PART 305—SAMPLE LABELS

AUTHORITY: 42 U.S.C. 6294.

SOURCE: 52 FR 46894, Dec. 10, 1987, unless otherwise noted.

SCOPE

§ 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.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28034, July 5, 1989]

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 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; *energy efficiency ratio (EER)* 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 cost*—(1) *Estimated annual energy consumption* means the energy or (for products described in sections 305.3(n)–(q)) 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 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*, as used in § 305.4, 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.

[72 FR 49965, Aug. 29, 2007, as amended at 73 FR 39225, July 9, 2008; 73 FR 63066, Oct. 23, 2008]

§ 305.3 Description of covered products.

(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) *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.

(h) *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.

(i) *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.

(j) *Fluorescent lamp ballast* means a device that is used to start and operate fluorescent lamps by providing a starting voltage and current and limiting

the current during normal operation, and that is designed to operate at nominal input voltages of 120 or 277 volts with a frequency of 60 Hertz and is for use in connection with F40T12, F96T12 or F96T12HO lamps.

(k) *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.

(l) *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 (n)(3)(ii)(A) through (T) of this section; and

(ii) Any general service fluorescent lamp.

(m) *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 (n)(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.

(n) *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 (n)(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.

(o) *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 B

(1) The infrared region;

(2) The visible region; or

(3) The ultraviolet region.

(p) *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).

(q) *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.

(r) *Showerhead* means any showerhead (including a handheld showerhead), except a safety shower showerhead.

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

(t) *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.

(u) *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.

(v) *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.

(w) *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.

(x) *Ceiling fan* means a nonportable device that is suspended from a ceiling for circulating air via the rotation of fan blades. The requirements of this part are limited to those ceiling fans for which the Department of Energy has adopted and published test procedures for measuring energy usage.

(y) *Television (TV)* means a commercially available electronic product designed primarily for the display and reception of audiovisual signals from terrestrial, cable, satellite, Internet Protocol TV (IPTV), or other transmission of analog and/or digital signals, consisting of a tuner/receiver and a display encased in a single housing. This definition does not cover models that are designed to operate on built-in rechargeable batteries or inserted batteries.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 34031, 34032, July 1, 1994; 59 FR 49563, Sept. 28, 1994; 59 FR 67525, Dec. 29, 1994; 71 FR 4984, Jan. 31, 2006; 72 FR 49966, Aug. 29, 2007; 73 FR 63067, Oct. 23, 2008; 76 FR 79057, Dec. 21, 2011; 76 FR 1050, Jan. 6, 2011; 78 FR 2207, Jan. 10, 2013]

GENERAL

§ 305.4 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 § 305.20 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 § 305.6. 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 § 305.19. 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.

(3) Any manufacturer, distributor, retailer, or private labeler may file a petition with the Commission not later than sixty (60) days before the expiration of the period involved for an extension of the 180 day period. If the Commission finds that the requirements would impose an undue hardship on the petitioner, the Commission may extend the 180 day period with respect to the petitioner up to an additional 180 days.

(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) Any covered product, other than central air conditioners, pulse combustion and condensing furnaces, fluorescent lamp ballasts, showerheads, faucets, water closets, urinals, pool heaters, instantaneous water heaters, heat pump water heaters, general service fluorescent lamps, medium base compact fluorescent lamps, and general service incandescent lamps (including incandescent reflector lamps), if the manufacture of the product was completed prior to May 19, 1980. Any central air conditioner or any pulse combustion or condensing furnace if its manufacture was completed prior to June 7, 1988. Any fluorescent lamp ballast if its manufacture was completed prior to January 1, 1990. Any showerhead, faucet, water closet or urinal if its manufacture was completed prior to October 24, 1994. Any pool heater, instantaneous water heater, or heat pump water heater if its manufacture was completed prior to December 29, 1994. Any general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including any incandescent reflector lamp), if its manufacture was completed prior to May 15, 1995.

(3) Any catalog or point-of-sale printed material pertaining to any covered products that were manufactured prior to May 19, 1980; any catalog or point-of-sale printed material pertaining to any central air conditioners or pulse combustion or condensing furnaces manufactured prior to June 7, 1988; any catalog or point-of-sale printed material pertaining to any fluorescent lamp ballasts manufactured prior to June 23, 1989; any catalog or point-of-sale printed material pertaining to any showerheads, faucets, water closets or urinals manufactured prior to October 24, 1994; any catalog or point-of-sale printed material pertaining to any pool heaters, instantaneous water heaters, or heat pump water heaters manufactured prior to December 29, 1994; or any catalog or point-of-sale printed material pertaining to general service fluorescent lamps, medium base compact fluorescent lamps, or general service incandescent lamps (including incandescent reflector lamps), that were manufactured prior to May 15, 1995; except that any representations respecting the energy consumption, energy efficiency, or water use of any covered product or other consumer appliance product, or respecting the cost of energy consumed or water used by such product, are subject to the requirements of paragraph (d) of this section.

(4) 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.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28035, July 5, 1989; 58 FR 54964, Oct. 25, 1993; 59 FR 49563, Sept. 28, 1994; 59 FR 67526, Dec. 29, 1994; 61 FR 54549, Oct. 21, 1996; 72 FR 49966, Aug. 29, 2007; 76 FR 1050, Jan. 6, 2011; 78 FR 2207, Jan. 10, 2013]

TESTING

§ 305.5 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), (c), (d), or (e) 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, 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) For representations of the light output for general service light-emitting diode (LED or OLED) lamps, the Commission will accept as a reasonable basis scientific tests conducted according to IES LM79.

(d) Determinations of estimated annual energy consumption and estimated annual operating (energy) costs of televisions must be based on the procedures contained in the ENERGY STAR Version 4.2 test, which is comprised of the ENERGY STAR Program Requirements, Product Specification for Televisions, Eligibility Criteria Version 4.2 (Adopted April 30, 2010); the Test Method (Revised Aug–2010); and the CEA Procedure for DAM Testing: For TVs, Revision 0.3 (Sept. 8, 2010). Annual energy consumption and cost estimates must be derived assuming 5 hours in on mode and 19 hours in sleep (standby) mode per day. These ENERGY STAR requirements are incorporated by reference into this section. The Director of the Federal Register has approved these incorporations by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of the test procedure may be inspected or obtained at the United States Environmental Protection Agency, ENERGY STAR Hotline (6202J), 1200 Pennsylvania Avenue NW., Washington, DC 20460, or at *http://www.energystar.gov/ia/partners/product_specs/program_reqs/Televisions_Program_Requirements.pdf* [Telephone: ENERGY STAR Hotline: 1–888–782–7937]; at the Federal Trade Commission, Consumer Response Center, Room 130, 600 Pennsylvania Avenue NW., Washington, DC 20580 [Telephone: 1–202–326–2830]; and at the National Archives and Records Administration, at *http://www.archives.gov/federal-register/cfr/ibr-locations.html* [Telephone: 1–202–741–6030].

(e) Representations for ceiling fans under section 305.13 must be derived from procedures in 10 CFR 430.23.

[78 FR 2207, Jan. 10, 2013]

§ 305.6 Duty to provide labels on Web sites.

For each covered product that a manufacturer distributes in commerce after July 15, 2013, which is 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.

[78 FR 2208, Jan. 10, 2013]

§ 305.7 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) and the adjusted total volume (AV) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix A1 to 10 CFR part 430, subpart B.

(b) *Freezers.* The capacity shall be the total refrigerated volume (VT) and the adjusted total volume (AV) in cubic feet, rounded to the nearest one-tenth of a cubic foot, as determined according to appendix B1 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 first hour rating, 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 EER 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, in the terms ''standard'' or ''compact'' as defined in appendix J1 to 10 CFR part 430. For models manufactured after March 7, 2015, 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.

[59 FR 34033, July 1, 1994, as amended at 59 FR 49564, Sept. 28, 1994; 70 FR 3875, Jan. 27, 2005; 73 FR 63067, Oct. 23, 2008; 78 FR 43981, July 23, 2013]

§ 305.8 Submission of data.

(a)(1) Except as provided in paragraphs (a)(2) and (3) 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 Compliance and Certification Management System (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 at high speed excluding any lights, airflow (capacity) at high speed 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) This section does not require reports for televisions and general service light-emitting diode (LED or OLED) lamps.

(b)(1) All data required by § 305.8(a) except serial numbers shall be submitted to the Commission annually, on or before the following dates:

Product category	Deadline for data submission
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.

(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 paragraph (a) 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.

[52 FR 46894, Dec. 10, 1987, as amended at 54 FR 28035, July 5, 1989; 59 FR 54965, Oct. 25, 1993; 59 FR 49564, Sept. 28, 1994; 59 FR 67527, Dec. 29, 1994; 60 FR 14210, Mar. 16, 1995; 67 FR 35008, May 17, 2002; 68 FR 8449, Feb. 21, 2003; 73 FR 63067, Oct. 23, 2008; 75 FR 41714, July 19, 2010; 76 FR 1050, Jan. 6, 2011; 78 FR 2208, Jan. 10, 2013]

§ 305.10 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 fluorescent lamp ballasts, metal halide lamp fixtures, lamps, showerheads, faucets, water closets, urinals, ceiling fans, or televisions) 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 2017. 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 figures to be used on labels as required by § 305.11 are listed in appendix K to this part, except the electricity and gas cost to be used on labels for refrigerators, refrigerator-freezers, and freezers distributed before September 15, 2014, and labels for clothes washers distributed before March 7, 2015, shall be 10.65 cents per kWh and 1.218 dollars per therm. The Commission shall publish revised Representative Average Unit Energy Cost figures in the FEDERAL REGISTER in 2017. 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 covered product 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 that appears as required by §§ 305.11 and 305.12 of this part, 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 operating 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.

[72 FR 49967, Aug. 29, 2007, as amended at 73 FR 63067, Oct. 23, 2008; 76 FR 1050, Jan. 6, 2011; 78 FR 43981, July 23, 2013]

REQUIRED DISCLOSURES

§ 305.11 Labeling for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters, room air conditioners, and pool heaters.

(a) *Layout*. All energy labels for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, water heaters, pool heaters, and room air conditioners 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 7⅜ 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 basis 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 types*. The labels must be affixed to the product in the form of an adhesive label or a hang tag 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''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.

(2) *Hang tags*. Labels may be affixed to the product in the form of a hang tag using string or similar material. The paper stock for hang tags shall have a basic weight of not less than 110 pounds per 500 sheets (25½″×30½″ 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.

(e) *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.

(f) *Label content*. (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) Model number(s) will be the designation given by the manufacturer or private labeler.

(4) Capacity or size is that determined in accordance with § 305.7. For refrigerators, refrigerator-freezers, and freezers, the capacity provided on the label shall be the model's total refrigerated volume (VT) as determined in accordance § 305.7.

(5) Unless otherwise indicated in this paragraph, estimated annual operating costs for refrigerators, refrigerator-freezers, freezers, clothes washers, dishwashers, room air conditioners, and water heaters are as determined in accordance with §§ 305.5 and 305.10 of this part. Thermal efficiencies for pool heaters are as determined in accordance with § 305.5. Labels for clothes washers and dishwashers must disclose estimated annual operating cost for both electricity and natural gas as illustrated in the sample labels in appendix L. For refrigerators, refrigerator freezers, and freezers manufactured before September 15, 2014, and clothes washers manufactured before March 7, 2015, annual operating costs shall be determined using the energy cost figures of 10.65 cents for electricity and $1.218 for natural gas.

(6) Unless otherwise indicated in this paragraph, ranges of comparability for estimated annual operating costs or thermal efficiencies, as applicable, are found in the appropriate appendices accompanying this part. For refrigerators, refrigerator-freezers, and freezers manufactured on or after September 15, 2014, and clothes washers manufactured on or after March 7, 2015, the range information shall match the text and graphics in sample labels 1A and 2A of Appendix L.

(7) Placement of the labeled product on the scale shall be proportionate to the lowest and highest estimated annual operating costs or thermal efficiencies, as applicable.

(8) Labels for refrigerators, refrigerator-freezers, freezers, dishwashers, clothes washers, and water heaters must contain the model's estimated annual energy consumption as determined in accordance with § 305.5 and as indicated on the sample labels in appendix L. Labels for room air conditioners and pool heaters must contain the model's energy efficiency rating or thermal efficiency, as applicable, as determined in accordance with § 305.5 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 refrigerators, refrigerator-freezers, and freezers, the statement will read as follows (fill in the blanks with the appropriate year and energy cost figures):

Your costs will depend on your utility rates and use.

[Insert statement required by § 305.11(f)(9)(iii)].

Estimated energy cost is based on a national average electricity cost of ____ cents per kWh.

For more information, visit *www.ftc.gov/energy*.

(ii) For refrigerators, refrigerator-freezers, and freezers manufactured on or after September 15, 2014 and clothes washers manufactured after March 7, 2015, the label shall contain the text and graphics illustrated in sample labels 1A and 2A 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.

(iii) For refrigerators, refrigerator-freezers, and freezers, the following sentence shall be included as part of the statement required by § 305.11(f)(9)(i):

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

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

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

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

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

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

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

Cost range based only on models of similar capacity with automatic defrost, top-mounted freezer, and without through-the-door ice.

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

Cost range based only on models of similar capacity with automatic defrost, side-mounted freezer, and without through-the-door ice.

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

Cost range based only on models of similar capacity with automatic defrost, bottom-mounted freezer, and without through-the-door ice.

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

Cost range based only on models of similar capacity with automatic defrost, top-mounted freezer, and through-the-door ice.

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

Cost range based only on models of similar capacity with automatic defrost, side-mounted freezer, and through-the-door ice.

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

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

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

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

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

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

(iv) For room air conditioners covered under appendix E, the statement will read 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*.

(v) 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, year, and energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on models of similar capacity fueled by [natural gas, oil, propane, or electricity].

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].

For more information, visit *www.ftc.gov/energy*.

(vi) For instantaneous water heaters (appendix D4) and heat pump water heaters (appendix D5), the statement will read as follows (fill in the blanks

with the appropriate model type, the operating cost, the year, and the energy cost figures):

Your costs will depend on your utility rates and use.

Cost range based only on [instantaneous gas water heater or heat pump water heater] models of similar capacity. Estimated energy cost is based on a national average [electricity, natural gas, or propane] cost of [____ cents per kWh or $____ per therm or gallon].

For more information, visit *www.ftc.gov/energy*.

(vii) For dishwashers covered by appendices C1 and C2, the statement will read as follows (fill in the blanks with the appropriate appliance type, the energy cost, the number of loads per week, the year, 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 4 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*.

(viii) For clothes washers manufactured before March 7, 2015 covered by appendices F1 and F2, the statement will read as follows (fill in the blanks with the appropriate appliance type, the energy cost, the number of loads per week, the year, 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 8 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*.

(ix) For clothes washers manufactured after March 7, 2015, the label shall contain the text and graphics illustrated in sample labels 1A and 2A 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.

(x) For pool heaters covered under appendices J1 and J2, the statement will read as follows:

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

For more information, visit *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.

(11) 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 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.

[72 FR 49967, Aug. 29, 2007, as amended at 78 FR 2208, Jan. 10, 2013; 78 FR 43981, July 23, 2013]

§ 305.12 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 7⅜ 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 labels for furnaces.* Content of labels for non-weatherized furnaces, mobile home furnaces, electric furnaces, and boilers manufactured before the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for non-weatherized, and mobile home furnaces and content of labels for weatherized furnaces manufactured before the compliance date of regional efficiency standards for split-system air conditioners issued by the Department of Energy in 10 CFR part 430.

(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 annual fuel utilization efficiency for furnaces is determined in accordance with § 305.5.

(4) Ranges of comparability consisting of the lowest and highest annual fuel utilization efficiencies (AFUE) (for furnaces) for all furnaces that utilize the same energy source as indicated in the appendices to this part.

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

(6) The following statement shall appear on furnace labels beneath the range(s) as illustrated in the sample labels in appendix L. Fill in the blanks with the appropriate product subcategory listed in brackets:

Efficiency range based only on [natural gas furnaces; electric furnaces; oil furnaces; mobile home furnaces; gas (except steam) boilers; gas (steam) boilers; oil boilers; or electric boilers].

For more information, visit *www.ftc.gov/appliances*.

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

Federal law prohibits removal of this label before consumer purchase.

(8) 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 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 high and no greater than 3 inches wide. 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.

(9) 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 annual fuel utilization efficiency rating.

(10) 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.

(g) *Content of labels for air conditioners and heat pumps.* Content of labels for central air conditioners and heat pumps manufactured before the compliance date of regional efficiency standards issued by the Department of Energy for central air conditioners in 10 CFR part 430.

(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 seasonal energy efficiency ratio for the cooling function of central air conditioners is determined in accordance with § 305.5. For the heating function, the heating seasonal performance factor 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 § 305.5. In addition, the energy efficiency rating(s) for split system condenser-evaporator coil combinations shall be either:

(i) The energy efficiency rating of the condenser-evaporator coil combination that is the particular manufacturer's most commonly sold combination for that condenser model; or

(ii) The energy efficiency rating of the actual condenser-evaporator coil combination comprising the system to which the label is to be attached.

(4)(i) Each cooling only central air conditioner label shall contain a range of comparability consisting of the lowest and highest seasonal energy efficiency ratios for all cooling only central air conditioners.

(ii) Each heat pump label, except as noted in paragraph (g)(4)(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. The second range shall consist of the lowest and highest heating seasonal performance factors for the heating side of all heat pumps.

(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.

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

(6) The following statement shall appear on the label beneath the range(s) in bold print (fill in the blank the appropriate unit type):

Efficiency range based only on [single package units or split system units].

[Insert statement required by 305.12(g)(7) if applicable].

For more information, visit *www.ftc.gov/appliances*.

(7) All labels on split system condenser units disclosing energy efficiency ratings for the ''most common'' condenser-evaporator coil combinations must contain one of the following three statements:

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

This energy efficiency rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.

(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 energy efficiency rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

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

This energy efficiency rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

Central air conditioner labels disclosing the efficiency ratings for specific condenser/coil combinations do not have to contain any of the above three statements.

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

Federal law prohibits removal of this label before consumer purchase.

(9) 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 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 high and no greater than 3 inches wide. 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.

(h) *Subject heading*. Content of labels for non-weatherized furnaces, mobile home furnaces, and electric furnaces, and boilers manufactured on or after the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for non-weatherized, and mobile home furnaces and content of labels for weatherized gas and oil-fired furnaces manufactured on or after the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for split-system air conditioners.

(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.

(3) The model's basic model number.

(4) The model's capacity as illustrated in the prototype and sample labels in appendix L to this part.

(5) The annual fuel utilization efficiency (AFUE) for furnace models as determined in accordance with § 305.5.

(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 sample label 9A 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) For non-weatherized gas furnaces and mobile home gas furnaces with an AFUE of 90 or greater, the label must contain the following regional standards information consistent with sample label 9A in appendix L to this part:

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

(10) For non-weatherized gas furnaces and mobile home gas furnaces with an AFUE lower than 90, the label shall contain the following regional standards information consistent with sample label 9 in appendix L to this part:

(i) A statement that reads either:

(A) ''Notice Federal law allows this unit to be installed only in: AL, AZ, AR, CA, DC, DE, FL, GA, HI, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, VA, and U.S. territories. Federal law prohibits installation of this unit in other states,'' if the Department of Energy has not issued waivers applicable to these products, or

(B) ''Notice Federal law allows this unit to be installed only in: AL, AZ, AR, CA, DC, DE, FL, GA, HI, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, VA, and U.S. territories. Federal law prohibits installation of this unit in other states, unless a waiver from the Department of Energy allows such installation,'' if the Department of Energy has issued waivers applicable to these products.

(ii) A map and accompanying text as illustrated in sample label 9 in appendix L.

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

Federal law prohibits removal of this label before consumer purchase.

(12) 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. 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.

(13) 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.

(14) 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.

(15) 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, indicating the efficiency rating at up to three additional input capacities offered by the manufacturer. Consistent with paragraph (f)(12)(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.

(i) *Subject heading*. Content of labels for central air conditioners and heat pumps manufactured on or after the compliance date of regional efficiency standards issued by the Department of Energy for central air conditioners in 10 CFR part 430.

(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.

(3) The model's basic model number.

(4) The model's capacity as illustrated in the prototype and sample labels in appendix L to this part.

(5) The seasonal energy efficiency ratio (SEER) for the cooling function of central air conditioners as determined in accordance with § 305.5. 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 § 305.5. In addition, as illustrated in the sample labels 7A and 8A in appendix L, the ratings for any split-system 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 7B 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 8A 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 8A 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 8A 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:

This system's efficiency rating depends on the coil your contractor installs with this unit. Ask for details.

(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 will vary 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 will vary 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 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 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 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 EER could range from [____] to [____], depending on the coil installed with this unit.

(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 conditioners with a rated cooling capacity of at least 45,000 Btu/h and minimum efficiency ratings below 14 SEER or 11.7 EER, and any split-system central air conditioner with a rated cooling capacity less than 45,000 Btu/h and a minimum efficiency rating below 14 SEER or 12.2 EER, the label must contain the following regional standards information consistent with sample label 7A in appendix L to this part:

(i) A statement that reads:

The installed system must meet the minimum Federal regional efficiency standards.

See productinfo.energy.gov for certified combinations.

(ii) A map and accompanying text as illustrated in the sample label 7A in appendix L.

(iii) For split-system air conditioner systems, a statement that reads:

Energy Efficiency Ratio (EER): could range from [____] to [____], depending on the coil installed with this unit.

(13) For any single-package air conditioner with an EER below 11.0, the label must contain the following regional standards information consistent with sample label 7B in appendix L to this part:

(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 and accompanying text as illustrated in the sample label in appendix L.

(iii) A statement that reads:

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

(14) 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.

[72 FR 49969, Aug. 29, 2007, as amended at 78 FR 2208, Jan. 10, 2013; 78 FR 8374, Feb. 6, 2013; 78 FR 43982, July 23, 2013]

§ 305.13 Labeling for ceiling fans.

(a) *Ceiling fans*—(1) *Content*. Any covered product that is a ceiling fan shall be labeled clearly and conspicuously on the principal display panel with the following information in order from top to bottom on the label:

(i) The words ''ENERGY INFORMATION'' shall appear at the top of the label with the words ''at High Speed'' directly underneath;

(ii) The product's airflow at high speed expressed in cubic feet per minute and determined pursuant to § 305.5 of this part;

(iii) The product's electricity usage at high speed expressed in watts and determined pursuant to § 305.5 of this part, including the phrase ''excludes lights'' as indicated in Ceiling Fan Label Illustration of appendix L of this part;

(iv) The product's airflow efficiency rating at high speed expressed in cubic feet per minute per watt and determined pursuant to § 305.5 of this part;

(v) The following statement shall appear on the label for fans fewer than 49 inches in diameter: ''Compare: 36″ to 48″ ceiling fans have airflow efficiencies ranging from approximately 71 to 86 cubic feet per minute per watt at high speed.'';

(vi) The following statement shall appear on the label for fans 49 inches or more in diameter: ''Compare: 49″ to 60″ ceiling fans have airflow efficiencies ranging from approximately 51 to 176 cubic feet per minute per watt at high speed.''; and

(vii) The following statements shall appear at the bottom of the label as indicated in Ceiling Fan Label Illustration of Appendix L of this part: ''Money-Saving Tip: Turn off fan when leaving room.''

(2) *Label size and text font*. The label shall be four inches wide and three inches high. The text font shall be Arial or another equivalent font. The text on the label shall be black with a white background. The label's text size

and content, and the order of the required disclosures shall be consistent with Ceiling Fan Label Illustration of appendix L of this part.

(3) *Placement*. The ceiling fan label shall be printed on 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.

(b) [Reserved]

[73 FR 63068, Oct. 23, 2008]

§ 305.14 Energy information disclosures for heating and cooling equipment.

(a) The following provisions apply to any covered central air conditioner, heat pump, or furnaces distributed in commerce before the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for non-weatherized, and mobile home furnaces.

(1) *Required information*. Manufacturers and private labelers of central air conditioners, heat pumps, and furnaces (including boilers) must provide energy information about the equipment they sell to distributors and retailers, including contractors. This information can be provided through means such as fact sheets, product brochures, and directories. All required information must be disclosed clearly and conspicuously. The information must include:

(i) Name of manufacturer or private labeler which, in the case of a corporation, shall 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;

(ii) Trade name (if different from manufacturer);

(iii) Model number(s) given by the manufacturer or private labeler;

(iv) Capacity or size as determined in accordance with § 305.7;

(v) Energy efficiency rating as determined in accordance with § 305.5. The energy efficiency rating(s) for split-system condenser-evaporator coil combinations shall be either:

(A) The energy efficiency rating of the actual condenser-evaporator coil combination comprising the listed split system; or

(B) The energy efficiency rating of the condenser-evaporator coil combination that is the particular manufacturer's most commonly sold combination for that condenser model.

(vi) Ranges of comparability and of energy efficiency ratings found in the appropriate appendices accompanying this part.

(vii) A statement that the energy efficiency ratings are based on U.S. Government standard tests.

(viii) If the ''most common'' condenser-evaporator coil combinations are given for central air conditioners and heat pump efficiency ratings pursuant to § 305.14(a)(1)(v)(B), the statement required by § 305.14(a)(1)(vii) as follows:

(A) For information disclosing the seasonal energy efficiency ratio for cooling, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.

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

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

(C) For information disclosing the heating seasonal performance factor for heating, the statement should read:

This energy rating is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

(ix) For central air conditioners disclosing the efficiency ratings for specific condenser/coil combinations pursuant to § 305.14(a)(1)(v)(B), a general disclosure that the efficiency ratings are based on U.S. Government tests.

(2) *Distribution*. (i) Manufacturers and private labelers must give distributors

and retailers, including assemblers, the information specified under § 305.14(a)(1) for the central air conditioners, heat pumps, and furnaces (including boilers) they sell to them. This information may be provided in paper or electronic form (including Internet-based access). Distributors must give this information to retailers, including assemblers, they supply.

(ii) Retailers, including assemblers, who sell central air conditioners, heat pumps, and furnaces (including boilers) to consumers must make the information specified under § 305.14(a)(1) available to customers in any manner, as long as customers are likely to notice it. For example, it may be available in a display, where customers can take copies of them. It may be kept in a binder or made available electronically at a counter or service desk, with a sign telling customers where the required information is.

(iii) Retailers, including assemblers, who negotiate or make sales at a place other than their regular places of business must show the required information to their customers and let them read the information before they agree to purchase the product. If the information is Internet-based, 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 information in lieu of showing them a paper version of the information. Retailers who choose to use the Internet for the required information, must let customers read such information before the customers agree to purchase the product.

(b) The following provisions apply to any covered central air conditioner, heat pump, or furnaces distributed in commerce on or after the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for non-weatherized and mobile home furnaces.

(1) *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.

(2) *Distribution.* (i) 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.

(ii) 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.

(iii) 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.

(3) *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 Label 9B.

[78 FR 8376, Feb. 6, 2013]

§ 305.15 Labeling for lighting products.

(a) *Fluorescent lamp ballasts and luminaires*—(1) *Contents.* Fluorescent lamp ballasts that are ''covered products,'' as defined in § 305.2(n), 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 (c) 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.

(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;

(iii) The life, as defined in § 305.2(w), 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 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 § 305.2(hh), 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 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 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;

(D) Letters that never touch;

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

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

(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.

(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 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)(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.

(d)(1) The required disclosures of any covered product that is a general service 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 lifeclearly 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 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 or general service lamps 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 or general service 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.

(e)(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.

(f) *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.

[72 FR 49971, Aug. 29, 2007, as amended at 73 FR 63068, Oct. 23, 2008; 75 FR 41714, July 19, 2010; 76 FR 20236, Apr. 12, 2011; 78 FR 2209, Jan. 10, 2013]

§ 305.16 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) Each showerhead and faucet shall be marked ''A112.18.1M'' to demonstrate compliance with the applicable ASME standard. The marking shall be by means of either a permanent mark on the product, a label on the product, or a tag attached to the product.

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

(5) The package or any label attached to the package for each showerhead or faucet shall contain at least the following: ''A112.18.1M'' and 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) 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 at a location determined by the manufacturer with the designation ''ASME A112.19.2M'' to signify compliance with the applicable standard. This mark need not be permanent, but shall be visible after installation.

(4) 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).

(5) With respect to any gravity tank-type white 2-piece toilet offered for sale or sold before January 1, 1997, which has a water use greater than 1.6 gallons per flush (gpf), any printed matter distributed or displayed in connection with such product (including packaging and point-of-sale material, catalog material, and print advertising) shall include, in a conspicuous manner, the words ''For Commercial Use Only.''

(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.

[73 FR 49973, Aug. 29, 2007]

§ 305.17 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 § 305.11(d)(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 § 305.5 of 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 11 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
0–16″ (0 to 16.49″)	$3	$6
17–20″ (16.5 to 20.49″)	4	11
21–23″ (20.5 to 23.49″)	4	13
24–29″ (23.5 to 29.49″)	9	19

Screen size (diagonal)	Annual energy cost ranges for televisions	
	Low	High
30–34″ (29.5 to 34.49″)	11	25
35–39″ (34.5 to 39.49″)	17	31
40–44″ (39.5 to 44.49″)	15	43
45–49″ (44.5 to 49.49″)	18	51
50–54″ (49.5 to 54.49″)	21	67
55–59″ (54.5 to 59.49″)	24	73
60–64″ (59.5 to 64.49″)	31	79
65–69″ (64.5 to 69.49″)	35	83
69.5″ or greater	39	90

(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 § 305.5 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 § 305.6 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.

(h) *Labels for small televisions:* For television with screens measuring nine inches or less diagonally, manufacturers may print the label required by this section on the primary display panel of the product's packaging or affix a label to the packaging in lieu of affixing a label to the television screen or bezel. The size of the label may be scaled to fit the packaging size as appropriate, as long as it remains clear and conspicuous.

[76 FR 1050, Jan. 6, 2011, as amended at 78 FR 2209, Jan. 10, 2013; 78 FR 43982, July 23, 2013]

§ 305.18 [Reserved]

§ 305.19 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, distributer, 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 § 305.11(f).

(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 § 305.4(e).

[59 FR 34036, July 1, 1994, as amended at 59 FR 67530, Dec. 29, 1994; 60 FR 14211, Mar. 16, 1995. Redesignated at 72 FR 49971, Aug. 29, 2007, as amended at 72 FR 49974, Aug. 29, 2007; 73 FR 39226, July 9, 2008; 75 FR 41716, July 19, 2010]

§ 305.20 Paper catalogs and Web sites.

(a) Any manufacturer, distributor, retailer, or private labeler who advertises in a catalog, a covered product (except ceiling fan, 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, or urinals) shall include in such catalog either the EnergyGuide labels prepared in accordance with §§ 305.11 and 305.12 for products they offer or the following information:

(1) The capacity of the model on each page that lists the covered product.

(2) The estimated annual operating costs for refrigerators, refrigerator-freezers, freezers, clothes washers, dishwashers, room air conditioners, and water heaters as determined in accordance with § 305.5 and appendix K of this part on each page that lists the covered product.

(3) A statement conspicuously placed in the catalog:

(i) For refrigerators, refrigerator-freezers, and freezers (fill in the blanks with the appropriate year and energy cost figures):

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a [Year] national average electricity cost of [_____ cents per kWh].

For more information, visit *www.ftc.gov/appliances*.

(ii) For room air conditioners and water heaters, (fill in the blanks with the appropriate year and energy cost figures):

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a [Year] national average [electricity, natural gas, propane, or oil] cost of [$ _____ per kWh, therm, or gallon].

For more information, visit *www.ftc.gov/appliances*.

(iii) For clothes washers and dishwashers, (fill in the blanks with the appropriate information such as the year, and the energy cost figures):

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on [4 washloads a week for dishwashers, or 8 washloads a week for clothes washers] and a [Year] national average cost of _____ cents per kWh for electricity and $ _____ per therm for natural gas.

For more information, visit *www.ftc.gov/appliances*.

(4) The energy efficiency or thermal efficiency ratings for pool heaters, central air conditioners, heat pumps, and furnaces (including boilers) as determined in accordance with § 305.5 on each page that lists the covered product.

(5) For Furnaces, central air conditioners, and heat pumps offered for sale on or after the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 for non-weatherized furnaces:

The model's efficiency rating or ratings as disclosed on the label and a disclosure stating ''For more information, visit *productinfo.energy.gov*.'' For split-system units, a disclosure stating ''This system's efficiency rating depends on the coil installed with this unit.'' For central air conditioners 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 and subject to such regional standards, the catalog must provide, in at least one location, the disclosures and graphics required by § 305.12(i)(11) and (12). For non-weatherized gas and mobile home gas furnaces manufactured after the compliance date of regional efficiency standards issued by the Department of Energy for those products in 10 CFR part 430, and all furnaces manufactured after the compliance date of regional efficiency standards issued by the Department of Energy in 10 CFR part 430 and subject to such standards, the catalog must disclose, in a clear and conspicuous fashion, the states in which specific models may be installed as indicated on the product's label prepared by the manufacturer pursuant to § 305.12.

(b) Any manufacturer, distributor, retailer, or private labeler who advertises fluorescent lamp ballasts that are ''covered products,'' as defined in § 305.2(l), and to which standards are applicable under section 325 of the Act, in a catalog, from which they may be purchased by cash, charge account or credit terms, shall disclose conspicuously in such catalog, in each description of such fluorescent lamp ballasts, a capital letter ''E'' printed within a circle.

(c)(1) Any manufacturer, distributor, retailer, or private labeler who advertises in a catalog a covered product that is a general service fluorescent lamp or general service lamp shall disclose clearly and conspicuously in such catalog:

(i) On each page listing any covered product that is a general service lamp, all the information concerning that lamp required by § 305.15 of this part to be disclosed on the lamp's package labeling either in the form of the manufacturer's Lighting Facts label prepared pursuant to § 305.15 or otherwise in a clear and conspicuous manner. For the ''Light Appearance'' disclosure required by § 305.15(b)(3)(iv), the catalog need only disclose the lamp's correlated color temperature in Kelvin (*e.g.*, 2700 K); and

(ii) On each page listing a covered product that is a general service fluorescent lamp or an incandescent reflector lamp, all the information required by § 305.15 of this part to be disclosed on the lamp's package labeling according to the following format:

(A) The encircled ''E'' shall appear with each lamp entry; and

(B) The accompanying statement described in § 305.15(d)(1) shall appear at least once on the page.

(2) Any manufacturer, distributor, retailer, or private labeler who advertises a covered product that is a general service fluorescent lamp, medium base compact fluorescent lamp, or general service incandescent lamp (including an incandescent reflector lamp), in a catalog who makes any representation in such catalog 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, patterns of use.

(d) Any manufacturer, distributor, retailer, or private labeler who advertises a covered product that is a showerhead, faucet, water closet, or urinal in a catalog, from which it may be purchased, shall include in such catalog, on each page that lists the covered product, 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 § 305.16.

(e) Any manufacturer, distributor, retailer, or private labeler who advertises metal halide lamp fixtures manufactured on or after January 1, 2009 in a catalog prepared after July 1, 2009, from which they may be purchased by cash, charge account or credit terms, shall disclose conspicuously in such catalog, in each description of such metal halide lamp fixture, a capital letter ''E'' printed within a circle.

(f) Any manufacturer, distributor, retailer, or private labeler who advertises a covered product that is a ceiling fan in a catalog, from which it may be purchased, shall disclose clearly and conspicuously in such catalog, on each page that lists the covered product, all the information concerning the product required by § 305.13(a)(1).

(g) *Televisions offered for sale on the Internet.* Any manufacturer, distributor, retailer, or private labeler that advertises televisions on the Internet in a manner that qualifies as a catalog under this part shall disclose energy information as follows:

(1) *Content.* For each covered television, the Internet seller must display the EnergyGuide label prepared in accordance with § 305.17. The seller may hyperlink to the label as long as it leads directly to the label and the hyperlink is an icon in the form of the sample icon in appendix L.

(2) *Format.* The EnergyGuide label or the icon must appear clearly and conspicuously, and in close proximity to the television's price, on each webpage that contains a detailed description of the television and its price. The scale size of the icon and/or the label prototypes in appendix L may be altered to accommodate the webpage's design, as long as the icon and/or label remain clear and conspicuous to consumers viewing the page.

(h) *Televisions offered for sale in paper catalogs.* Any manufacturer, distributor, retailer, or private labeler that advertises televisions in a paper publication that qualifies as a catalog under this Part shall disclose energy information as follows:

(1) *Content.* For each covered television, the paper catalog must either:

(i) Display the EnergyGuide label prepared in accordance with § 305.17, or

(ii) (A) State the estimated annual energy cost determined in accordance with § 305.5, and

(B) State the following: ''Your energy cost depends on your utility rates and use. The estimated cost is based on 11 cents per kWh and 5 hours of use per day. For more information, visit *http://www.ftc.gov/energy*.''

(2) *Format.* The required disclosure must appear clearly and conspicuously, and in close proximity to the television's price, on each page that displays the television and its price. If a catalog displays the EnergyGuide label pursuant to paragraph (h)(1)(i) of this section, the size of the label may be altered to accommodate the paper catalog's design, as long as the label remains clear and conspicuous to consumers. If a catalog includes the statements in paragraph (h)(1)(ii) of this section, the statements must be clear and conspicuous to consumers. If a catalog displays multiple covered televisions on a page, the statement in paragraph (h)(1)(ii)(B) of this section may be displayed only once per page as long as it is clear and conspicuous.

(i) For split-system and single-package central air conditioners and nonweatherized or mobile home furnaces offered for sale on or after the compliance date of regional efficiency standards issued by the Department of Energy for those products in 10 CFR part 430, the catalog (Web site or paper catalog) must contain the following statement conspicuously placed on the product page in close proximity to the link to the product's EnergyGuide label:

Federal law prohibits the installation of some [central air conditioners or furnaces] in certain states. Look to the EnergyGuide label to determine whether this product can be installed in your location.

[59 FR 34036, July 1, 199478 FR 2209, Jan. 10, 2013, as amended at 59 FR 49564, Sept. 28, 1994; 59 FR 67530, Dec. 29, 1994; 60 FR 14211, Mar. 16, 1995. Redesignated at 72 FR 49971, Aug. 29, 2007, as amended at 72 FR 49974, Aug. 29, 2007; 73 FR 39226, July 9, 2008; 73 FR 63068, Oct. 23, 2008; 75 FR 41716, July 19, 2010; 76 FR 1051, Jan. 6, 2011; 78 FR 8377, Feb. 6, 2013; 78 FR 43983, July 23, 2013]

EDITORIAL NOTE: At 75 FR 41716, July 19, 2010, § 305.20 was amended in parargraph (a)(1) by removing the phrase ''medium base compact fluorescent lamps, general service incandescent lamps including incandescent reflector lamps'' and adding in its place ''general service lamps'' however, the amendment could not be incorporated because the phrase does not appear in paragraph (a)(1).

EFFECTIVE DATE NOTE: At 78 FR 2209, Jan. 10, 2013, § 305.20 was revised, effective Jan. 15, 2014. For the convenience of the user, the revised text is set forth as follows:

§305.20 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, 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. 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:

(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 §305.16.

(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 §305.7, the estimated annual operating cost determined in accordance with §305.5 and appendix K of 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*.''

(B) Room air conditioners and water heaters. The capacity of the model determined in accordance with §305.7, the estimated annual operating cost determined in accordance with §305.5 and appendix K of 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*.''

(C) Clothes washers and dishwashers. The capacity of the model for clothes washers determined in accordance with §305.7 and the estimated annual operating cost for clothes washers and dishwashers determined in accordance with §305.5 and appendix K, 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*.''

(D) General service fluorescent lamps or general service lamps. All the information concerning that lamp required by §305.15 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*.'' For the ''Light Appearance'' disclosure required by §305.15(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 §305.15(d)(1).

(E) Ceiling fans. All the information required by §305.13.

(F) Televisions. The estimated annual operating cost determined in accordance with §305.5 and a disclosure stating ''Your energy cost depends on your utility rates and use.

The estimated cost is based on 11 cents per kWh and 5 hours of use per day. For more information, visit *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 § 305.7 and the energy efficiency or thermal efficiency ratings determined in accordance with § 305.5 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 § 305.20(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 § 305.20(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

§ 305.21 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.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 67530, Dec. 29, 1994. Redesignated at 72 FR 49971, Aug. 29, 2007, as amended at 75 FR 41717, July 19, 2010]

§ 305.22 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 § 305.21(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.

[59 FR 67530, Dec. 29, 1994. Redesignated at 72 FR 49971, Aug. 29, 2007, as amended at 72 FR 49974, Aug. 29, 2007]

EFFECT OF THIS PART

§ 305.23 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.

[52 FR 46894, Dec. 10, 1987. Redesignated at 72 FR 49971, Aug. 29, 2007]

§ 305.24 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.

[52 FR 46894, Dec. 10, 1987. Redesignated at 59 FR 34036, July 1, 1994, and further redesignated at 72 FR 49974, Aug. 29, 2007]

§ 305.25 [Reserved]

APPENDIX A1 TO PART 305—REFRIGERATORS WITH AUTOMATIC DEFROST

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 2.5	$32	$35
2.5 to 4.4	$33	$42
4.5 to 6.4	$32	$58
6.5 to 8.4	$48	$48
8.5 to 10.4	$37	$37
10.5 to 12.4	$35	$35
12.5 to 14.4	$33	$33
14.5 to 16.4	$46	$46
16.5 and over	$36	$50

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49974, Aug. 29, 2007]

APPENDIX A2 TO PART 305—REFRIGERATORS AND REFRIGERATORS-FREEZERS WITH MANUAL DEFROST

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 2.5	$29	$36
2.5 to 4.4	$29	$37
4.5 to 6.4	$29	$39
6.5 to 8.4	$39	$39
8.5 to 10.4	$24	$36
10.5 to 12.4	$35	$35
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	$36	$43
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	$48	$48
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49975, Aug. 29, 2007]

APPENDIX A3 TO PART 305—REFRIGERATOR-FREEZERS WITH PARTIAL AUTOMATIC DEFROST

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	$27	$46
10.5 to 12.4	$33	$33
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49975, Aug. 29, 2007]

APPENDIX A4 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH TOP-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	$35	$49
10.5 to 12.4	$41	$44
12.5 to 14.4	$40	$47
14.5 to 16.4	$40	$48
16.5 to 18.4	$42	$52
18.5 to 20.4	$41	$53
20.5 to 22.4	$44	$56
22.5 to 24.4	(*)	(*)
24.5 to 26.4	$51	$51
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49975, Aug. 29, 2007]

APPENDIX A5 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH SIDE-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	$56	$56
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	$66	$66
20.5 to 22.4	$46	$68
22.5 to 24.4	$59	$73
24.5 to 26.4	$58	$78
26.5 to 28.4	$71	$71
28.5 and over	$62	$73

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49976, Aug. 29, 2007]

Appendix A6 to Part 305—Refrigerator-Freezers With Automatic Defrost With Bottom-Mounted Freezer Without Through-the-Door Ice Service

Range Information

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	$46	$54
10.5 to 12.4	$47	$47
12.5 to 14.4	(*)	(*)
14.5 to 16.4	$48	$58
16.5 to 18.4	$50	$59
18.5 to 20.4	$47	$61
20.5 to 22.4	$49	$61
22.5 to 24.4	$62	$62
24.5 to 26.4	$51	$63
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49976, Aug. 29, 2007]

Appendix A7 to Part 305—Refrigerator-freezers With Automatic Defrost With Top-mounted Freezer With Through-the-door Ice Service

Range Information

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	$43	$43
18.5 to 20.4	(*)	(*)
20.5 to 22.4	$56	$56
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49977, Aug. 29, 2007]

Appendix A8 to Part 305—Refrigerator-freezers With Automatic Defrost With Side-mounted Freezer With Through-the-door Ice Service

Range Information

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	$59	$69
20.5 to 22.4	$57	$72
22.5 to 24.4	$57	$74
24.5 to 26.4	$60	$78
26.5 to 28.4	$65	$80

RANGE INFORMATION—Continued

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
28.5 and over	$70	$84

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49977, Aug. 29, 2007]

APPENDIX B1 TO PART 305—UPRIGHT FREEZERS WITH MANUAL DEFROST

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 5.5	$29	$35
5.5 to 7.4	$32	$38
7.5 to 9.4	$36	$40
9.5 to 11.4	(*)	(*)
11.5 to 13.4	$44	$44
13.5 to 15.4	$42	$48
15.5 to 17.4	$44	$51
17.5 to 19.4	$46	$51
19.5 to 21.4	$55	$56
21.5 to 23.4	(*)	(*)
23.5 to 25.4	$62	$62
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49978, Aug. 29, 2007]

APPENDIX B2 TO PART 305—UPRIGHT FREEZERS WITH AUTOMATIC DEFROST

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 5.5	$51	$52
5.5 to 7.4	(*)	(*)
7.5 to 9.4	(*)	(*)
9.5 to 11.4	$60	$60
11.5 to 13.4	$61	$61
13.5 to 15.4	$60	$70
15.5 to 17.4	$62	$73
17.5 to 19.4	$68	$79
19.5 to 21.4	$71	$82
21.5 to 23.4	$85	$85
23.5 to 25.4	$91	$91
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49978, Aug. 29, 2007]

APPENDIX B3 TO PART 305—CHEST FREEZERS AND ALL OTHER FREEZERS

RANGE INFORMATION

Manufacturer's Rated Total Refrigerated Volume in Cubic feet	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Less than 5.5	$20	$26
5.5 to 7.4	$25	$37
7.5 to 9.4	$31	$38
9.5 to 11.4	$30	$33
11.5 to 13.4	$35	$39
13.5 to 15.4	$38	$57
15.5 to 17.4	$38	$38
17.5 to 19.4	(*)	(*)
19.5 to 21.4	$46	$51
21.5 to 23.4	$49	$55
23.5 to 25.4	$55	$61
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[72 FR 49978, Aug. 29, 2007]

APPENDIX C1 TO PART 305—COMPACT DISHWASHERS

RANGE INFORMATION

''Compact'' includes countertop dishwasher models with a capacity of fewer than eight (8) place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy costs (dollars/year)	
	Low	High
Compact	$18	$27

[78 FR 43983, July 23, 2013]

APPENDIX C2 TO PART 305—STANDARD DISHWASHERS

RANGE INFORMATION

''Standard'' includes dishwasher models with a capacity of eight (8) or more place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy costs (dollars/year)	
	Low	High
Standard	$21	$41

[78 FR 43983, July 23, 2013]

APPENDIX D1 TO PART 305—WATER HEATERS—GAS

RANGE INFORMATION

Capacity	Range of estimated annual energy costs (dollars/year)			
First hour rating	Natural gas ($/year)		Propane ($/year)	
	Low	High	Low	High
Less than 21	*	*	*	*
21 to 24	*	*	*	*

RANGE INFORMATION—Continued

Capacity	Range of estimated annual energy costs (dollars/year)			
First hour rating	Natural gas ($/year)		Propane ($/year)	
	Low	High	Low	High
25 to 29	*	*	*	*
30 to 34	*	*	*	*
35 to 40	*	*	*	*
41 to 47	*	*	*	*
48 to 55	$253	$271	$628	$673
56 to 64	257	271	637	670
65 to 74	228	275	565	696
75 to 86	228	275	565	682
87 to 99	228	275	565	746
100 to 114	228	302	565	746
115 to 131	228	332	590	824
Over 131	235	332	582	824

*No data submitted.

[78 FR 43983, July 23, 2013]

APPENDIX D2 TO PART 305—WATER HEATERS—ELECTRIC

RANGE INFORMATION

Capacity	Range of estimated annual energy (dollars/year)	
First hour rating	Low	High
Less than 21	$567	$567
21 to 24	*	*
25 to 29	567	567
30 to 34	567	573
35 to 40	560	573
41 to 47	554	599
48 to 55	554	599
56 to 64	554	586

RANGE INFORMATION—Continued

Capacity	Range of estimated annual energy (dollars/year)	
First hour rating	Low	High
65 to 74	554	599
75 to 86	554	613
87 to 99	567	620
100 to 114	579	651
115 to 131	613	635
Over 131	*	*

*No data submitted.

[78 FR 43983, July 23, 2013]

APPENDIX D3 TO PART 305—WATER HEATERS—OIL

RANGE INFORMATION

Capacity	Range of estimated annual energy costs (dollars/year)	
First hour rating	Low	High
Less than 65	*	*
65 to 74	*	*
75 to 86	*	*
87 to 99	*	*

RANGE INFORMATION—Continued

Capacity	Range of estimated annual energy costs (dollars/year)	
First hour rating	Low	High
100 to 114	$684	$760
115 to 131	760	804
Over 131	604	746

*No data submitted.

[78 FR 43983, July 23, 2013]

APPENDIX D4 TO PART 305—WATER HEATERS—INSTANTANEOUS—GAS

RANGE INFORMATION

Capacity	Range of estimated annual energy costs (dollars/year)			
Capacity (maximum flow rate); gallons per minute (gpm)	Natural Gas ($/year)		Propane ($/year)	
	Low	High	Low	High
Under 1.00	*	*	*	*
1.00 to 2.00	*	*	*	*
2.01 to 3.00	$192	$237	$465	$574
Over 3.00	170	204	408	494

*No data submitted.

[78 FR 43983, July 23, 2013]

APPENDIX D5 TO PART 305—WATER HEATERS—HEAT PUMP

RANGE INFORMATION

Capacity	Range of estimated annual energy costs (dollars/year)	
First hour rating	Low	High
Less than 21	*	*
21 to 24	*	*
25 to 29	*	*
30 to 34	*	*
35 to 40	*	*
41 to 47	$268	$268
48 to 55	*	*
56 to 64	224	275

RANGE INFORMATION—Continued

Capacity	Range of estimated annual energy costs (dollars/year)	
First hour rating	Low	High
65 to 74	220	264
75 to 86	226	226
87 to 99	*	*
100 to 114	*	*
115 to 131	*	*
Over 131	*	*

*No data submitted.

[78 FR 43983, July 23, 2013]

APPENDIX E TO PART 305—ROOM AIR CONDITIONERS

RANGE INFORMATION

Manufacturer's rated cooling capacity in Btu's/hr	Range of estimated annual energy costs (dollars/year)	
	Low	High
Without Reverse Cycle and with Louvered Sides:		
Less than 6,000 Btu	$42	$48
6,000 to 7,999 Btu	50	72
8,000 to 13,999 Btu	66	115
14,000 to 19,999 Btu	117	195
20,000 and more Btu	169	382
Without Reverse Cycle and without Louvered Sides:		
Less than 6,000 Btu	*	*

RANGE INFORMATION—Continued

Manufacturer's rated cooling capacity in Btu's/hr	Range of estimated annual energy costs (dollars/year)	
	Low	High
6,000 to 7,999 Btu	56	72
8,000 to 13,999 Btu	73	138
14,000 to 19,999 Btu	140	166
20,000 and more Btu	*	*
With Reverse Cycle and with Louvered Sides	71	225
With Reverse Cycle, without Louvered Sides	89	126

*No data submitted.

[78 FR 43984, July 23, 2013]

APPENDIX F1 TO PART 305—STANDARD CLOTHES WASHERS

RANGE INFORMATION

"Standard" includes all household clothes washers with a tub capacity of 1.6 cu. ft. or more.

Capacity	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Standard	$10	$71

[72 FR 49981, Aug. 29, 2007]

APPENDIX F2 TO PART 305—COMPACT CLOTHES WASHERS

RANGE INFORMATION

"Compact" includes all household clothes washers with a tub capacity of less than 1.6 cu. ft.

Capacity	Range of Estimated Annual Operating Costs (Dollars/Year)	
	Low	High
Compact	$19	$49

[72 FR 49981, Aug. 29, 2007]

APPENDIX G1 TO PART 305—FURNACES—GAS

Furnace type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Gas Furnaces Manufactured Before the Compliance Date of DOE Regional Standards—All Capacities	78.0	96.6
Non-Weatherized Gas Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	80.0	98.5
Weatherized Gas Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	.....	.....

[78 FR 8377, Feb. 6, 2013]

APPENDIX G2 TO PART 305—FURNACES— ELECTRIC

Furnace type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Electric Furnaces—All Capacities	100.0	100.0

[78 FR 8377, Feb. 6, 2013]

APPENDIX G3 TO PART 305—FURNACES—OIL

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Oil Furnaces Manufactured Before the Compliance Date of DOE Regional Standards—All Capacities	78.0	86.1
Non-Weatherized Oil Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	83.0	95.4
Weatherized Oil Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	.....	.....

[78 FR 8377, Feb. 6, 2013]

APPENDIX G4 TO PART 305—MOBILE HOME FURNACES—GAS

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Mobile Home Gas Furnaces Manufactured Before the Compliance Date of DOE Regional Standards—All Capacities	75.0	92.1
Mobile Home Gas Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	80.0	96.5

[78 FR 8377, Feb. 6, 2013]

APPENDIX G5 TO PART 305—MOBILE HOME FURNACES—OIL

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Mobile Home Oil Furnaces Manufactured Before the Compliance Date of DOE Regional Standards—All Capacities	75.0	92.1
Mobile Home Oil Furnaces Manufactured After the Compliance Date of DOE Regional Standards—All Capacities	75.0	86.6

[78 FR 8377, Feb. 6, 2013]

APPENDIX G6 TO PART 305—BOILERS (GAS)

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Gas (Except Steam) Boilers Manufactured Before the Compliance Date of DOE Regional Standards for Non-Weatherized Furnaces*—All Capacities	80.0	95.5
Gas (Steam) Boilers Manufactured Before the Compliance Date of DOE Regional Standards for Non-Weatherized Furnaces*—All Capacities	75.8	84.0
All Gas Boilers Manufactured After the Compliance Date of DOE Regional Standards*—All Capacities	80.0	98.0

*Timing for boiler range revisions is tied to the compliance date for non-weatherized furnace regional standards.

[78 FR 8377, Feb. 6, 2013]

APPENDIX G7 TO PART 305—BOILERS (OIL)

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Oil Boilers Manufactured Before the Compliance Date of DOE Regional Standards for Non-Weatherized Furnaces*—All Capacities	80.0	92.0
Oil Boilers Manufactured After the Compliance Date of DOE Regional Standards*—All Capacities	82.0	96.0

*Timing for boiler range revisions is tied to the compliance date for non-weatherized furnace regional standards.

[78 FR 8377, Feb. 6, 2013]

APPENDIX G8 TO PART 305—BOILERS (ELECTRIC)

Type	Range of annual fuel utilization efficiencies (AFUEs)	
	Low	High
Electric Boilers	100	100

[78 FR 8377, Feb. 6, 2013]

APPENDIX H TO PART 305—COOLING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

Manufacturer's rated cooling capacities (Btu's/hr.)	Range of SEER's	
	Low	High
Single Package Units.		
Central Air Conditioners (Cooling Only): All capacities	10.6	16.5
Heat Pumps (Cooling Function): All capacities	10.6	16.0
Split System Units.		
Central Air Conditioners (Cooling Only): All capacities	10.9	23.0
Heat Pumps (Cooling Function): All capacities	10.9	21.0

[72 FR 49983, Aug. 29, 2007]

APPENDIX I TO PART 305—HEATING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

Manufacturer's rated heating capacity (Btu's/hr.)	Range of HSPF's	
	Low	High
Single Package Units.		
Heat Pumps (Heating Function): All capacities	7.0	8.2
Split System Units.		
Heat Pumps (Heating Function): All capacities	7.1	10.2

[72 FR 49983, Aug. 29, 2007]

APPENDIX J1 TO PART 305—POOL HEATERS—GAS

RANGE INFORMATION

Manufacturer's rated heating capacity	Range of thermal efficiencies (percent)			
	Natural gas		Propane	
	Low	High	Low	High
All capacities	82.0	95.0	82.0	95.0

[78 FR 43984, July 23, 2013]

APPENDIX J2 TO PART 305—POOL HEATERS—OIL

RANGE INFORMATION

Manufacturer's rated heating capacity	Range of thermal efficiencies (percent)	
	Low	High
All capacities	*	*

*No data submitted.

[78 FR 43984, July 23, 2013]

APPENDIX K TO PART 305—REPRESENTATIVE AVERAGE UNIT ENERGY COSTS

This Table contains the representative unit energy costs that must be utilized to calculate estimated annual energy cost disclosures required under sections 305.11 and 305.20. This Table is based on information published by the U.S. Department of Energy in 2013. Unless otherwise indicated by the

Commission, this table will be revised in 2017.

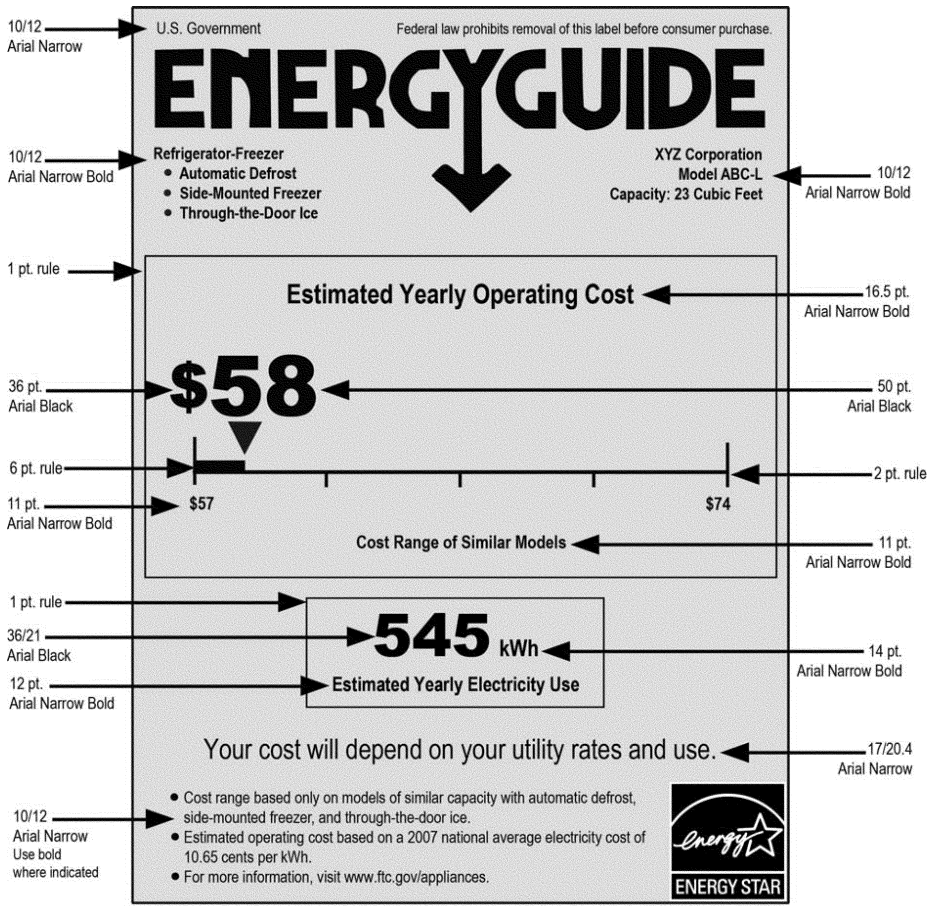
UNIT COSTS OF ENERGY FOR USE ON ENERGYGUIDE LABELS REQUIRED BY SECTION 305.11

Type of energy	In commonly used terms (used for EnergyGuide label)	As required by DOE test procedure	Dollars per million Btu [1]
Electricity	12.00¢/kWh [2, 3]	$.12/kWh	$35.46
Natural Gas	$1.09/therm [4]	0.0000109/Btu	10.87
	$11.12/MCF [5, 6].		
No. 2 heating oil	$3.80/gallon [7]	0.00002740/Btu	27.40
Propane	$2.41/gallon [8]	0.00002639/Btu	26.39
Kerosene	$4.21/gallon [9]	0.00003119/Btu	31.19

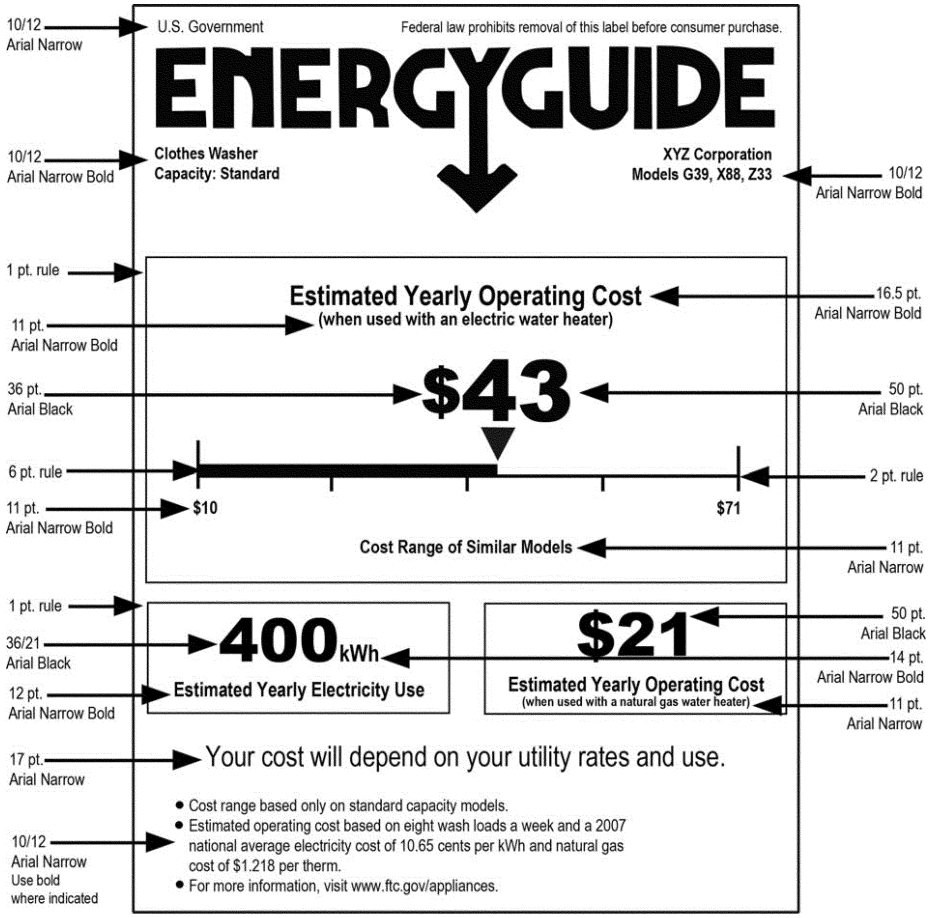
[1] Btu stands for British thermal unit.
[2] kWh stands for kiloWatt hour.
[3] 1 kWh = 3,412 Btu.
[4] 1 therm = 100,000 Btu. Natural gas prices include taxes.
[5] MCF stands for 1,000 cubic feet.
[6] For the purposes of this table, 1 cubic foot of natural gas has an energy equivalence of 1,023 Btu.
[7] For the purposes of this table, 1 gallon of No. 2 heating oil has an energy equivalence of 138,690 Btu.
[8] For the purposes of this table, 1 gallon of liquid propane has an energy equivalence of 91,333 Btu.
[9] For the purposes of this table, 1 gallon of kerosene has an energy equivalence of 135,000 Btu.

[78 FR 43985, July 23, 2013]

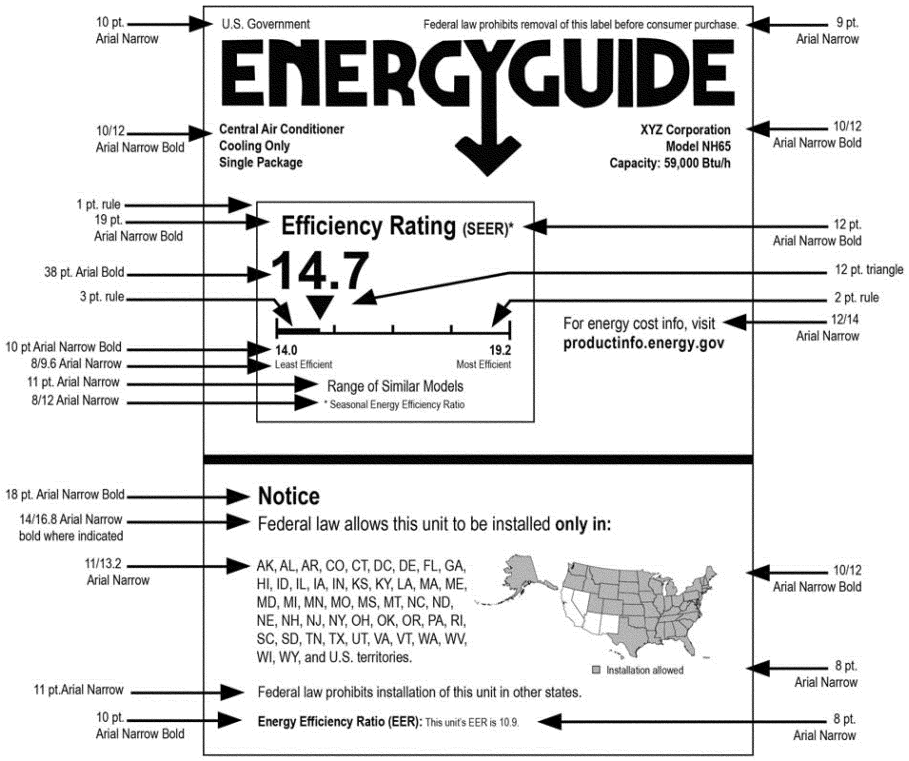
APPENDIX L TO PART 305—SAMPLE LABELS



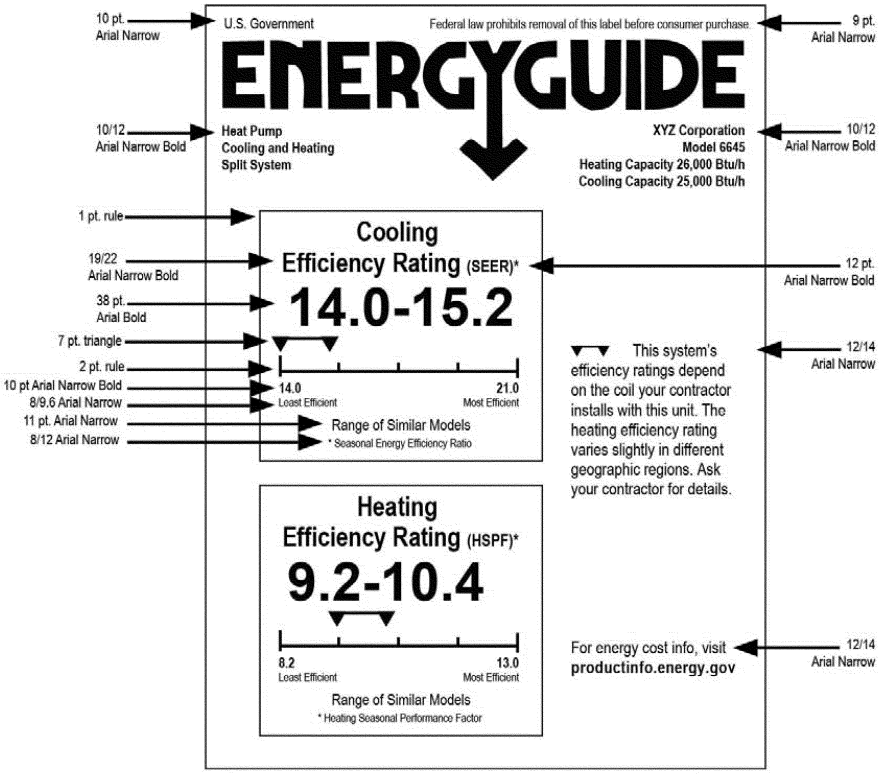
Prototype Label 1 – For Refrigerator-Freezers Manufactured before September 15, 2014



Prototype Label 2 – For Clothes Washers Manufactured before March 7, 2015

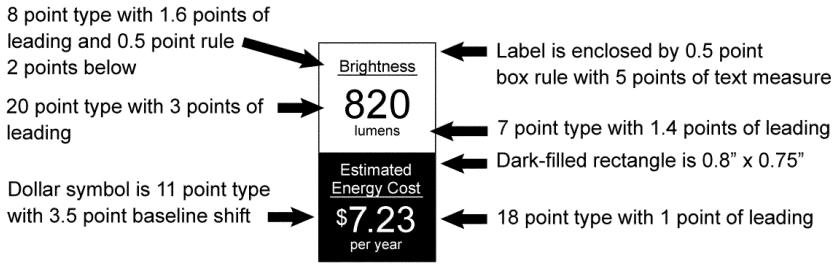


Prototype Label 3 - Single-Package Central Air Conditioner (models manufactured after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



Prototype Label 4 - Split-system Heat Pump (only for units manufactured on or after the compliance date of DOE regional efficiency standards in 10 CFR part 430)

* Typeface is Arial or equivalent type style. Type is black or one color printed on a white or other neutral contrasting background.

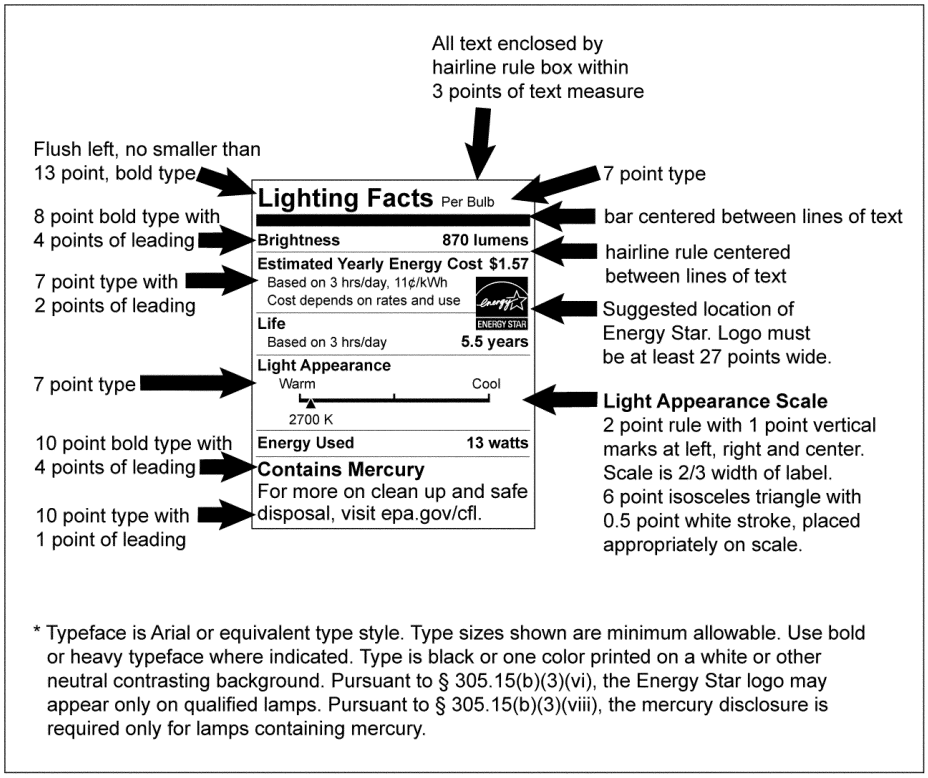


* Minimum size for vertical label is 0.8” x 1.5”. Scale label and all text proportionally.

* Minimum size for vertical label is 1.6” x 0.75”. Scale label and all text proportionally.

PROTOTYPE LABEL 5

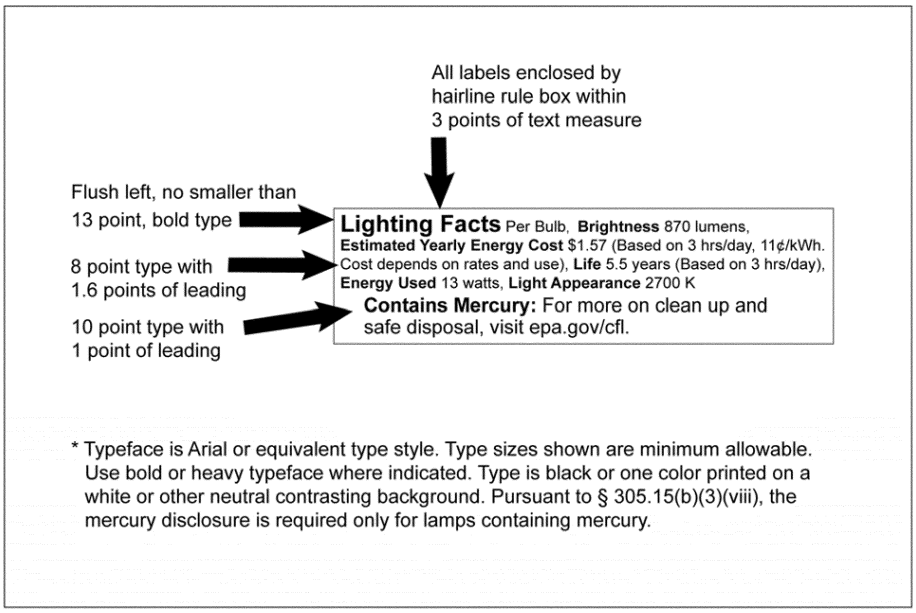
FRONT PACKAGE DISCLOSURE FOR GENERAL SERVICE LAMPS



* Typeface is Arial or equivalent type style. Type sizes shown are minimum allowable. Use bold or heavy typeface where indicated. Type is black or one color printed on a white or other neutral contrasting background. Pursuant to § 305.15(b)(3)(vi), the Energy Star logo may appear only on qualified lamps. Pursuant to § 305.15(b)(3)(viii), the mercury disclosure is required only for lamps containing mercury.

PROTOTYPE LABEL 6

LIGHTING FACTS LABEL FOR GENERAL SERVICE LAMPS (STANDARD FORMAT)

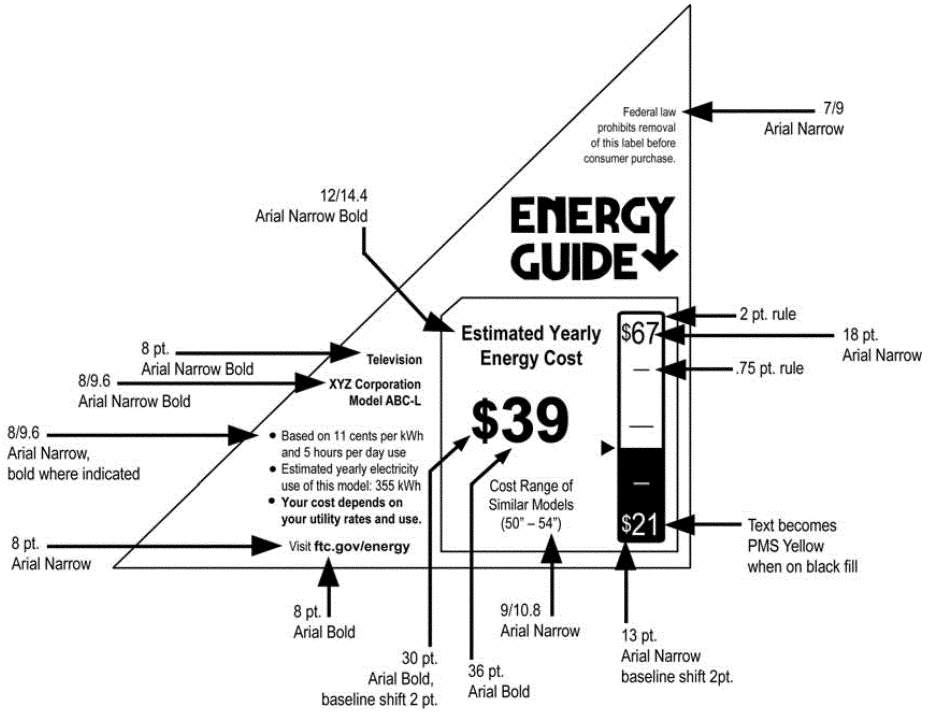


PROTOTYPE LABEL 7

LIGHTING FACTS LABEL FOR GENERAL SERVICE LAMPS CONTAINING MERCURY (LINEAR FORMAT)

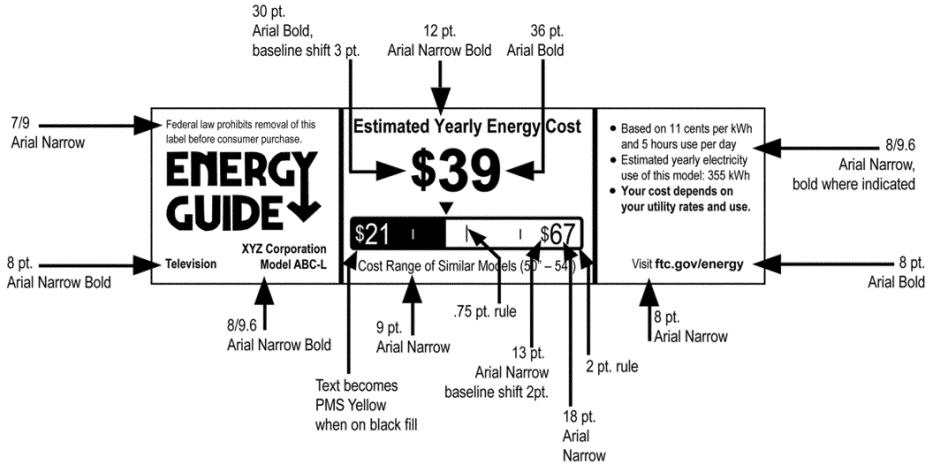
Prototype Label 8

Triangular Television Label



Minimum label size right angle triangle 4.5" x 4.5"

* Typeface is Arial Narrow and Arial or equivalent type style. Type sizes shown are minimum allowable. Use bold or heavy typeface where indicated. Type is black printed on process yellow or equivalent color background. Energy Star logo, if applicable, must be at least 0.36" wide.

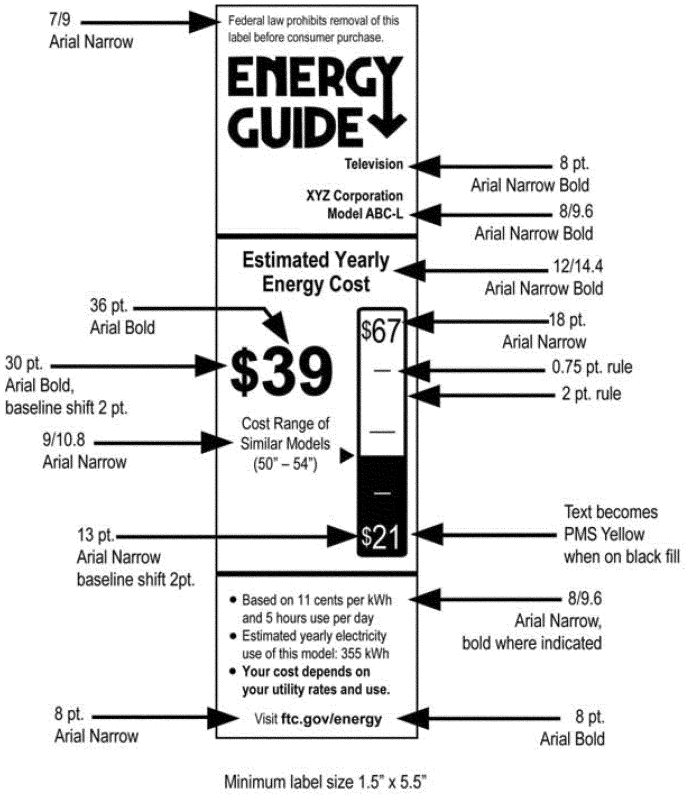


Minimum label size 1.5" x 5.23

* Typeface is Arial Narrow and Arial or equivalent type style. Type sizes shown are minimum allowable. Use bold or heavy typeface where indicated. Type is black printed on process yellow or equivalent color background. Energy Star logo, if applicable, must be at least 0.36" wide.

Prototype Label 9

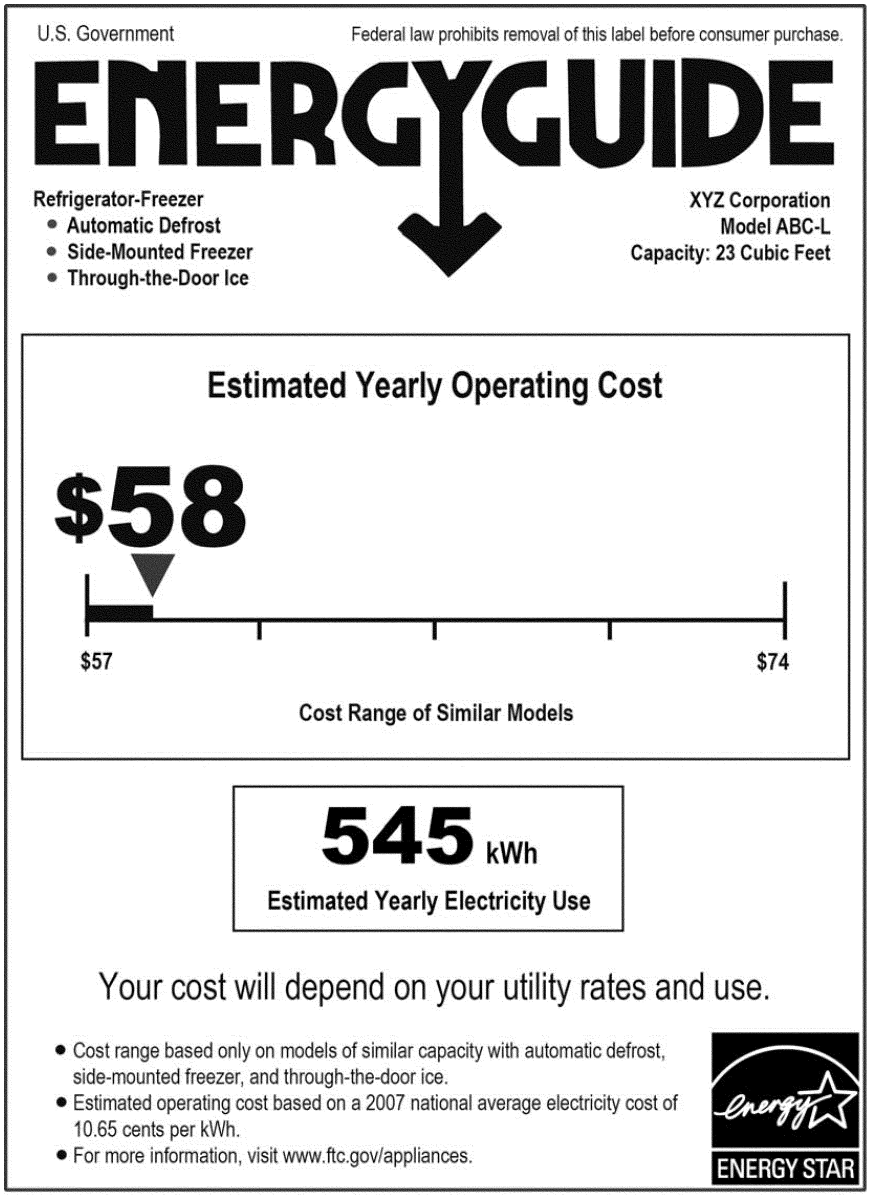
Horizontal Rectangular Television Label



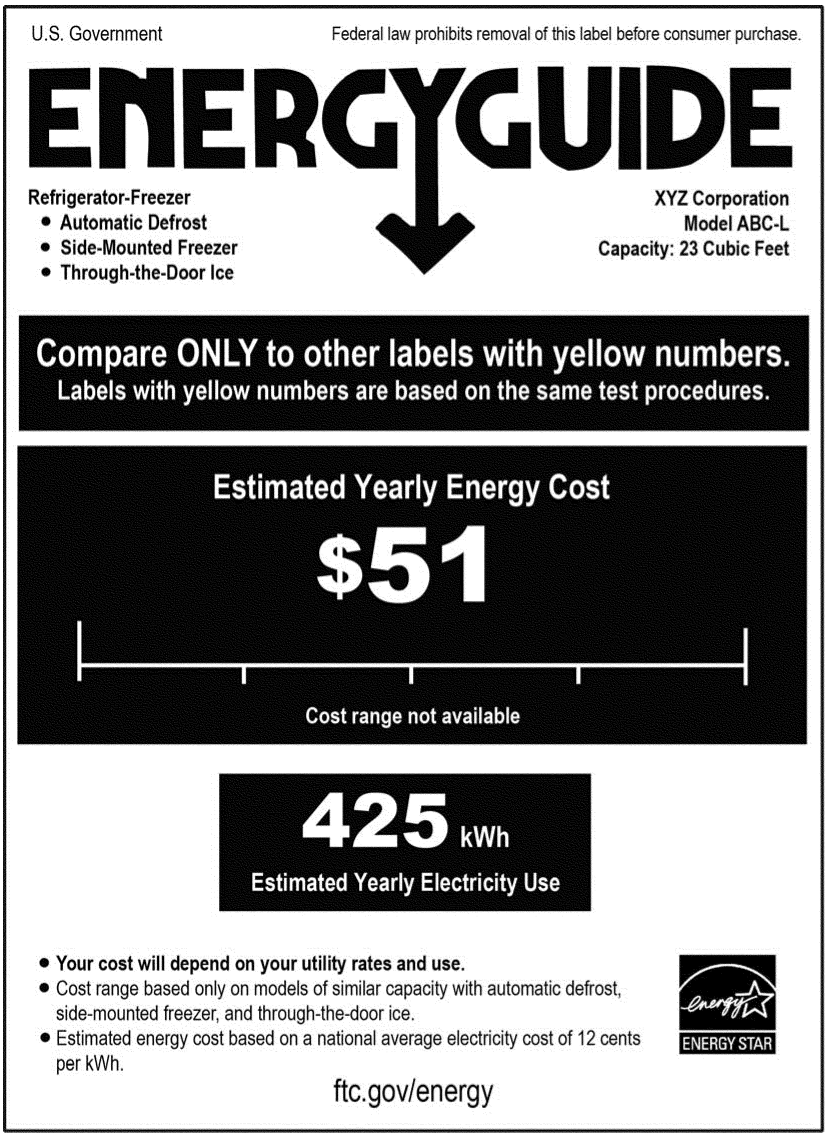
* Typeface is Arial Narrow and Arial or equivalent type style. Type sizes shown are minimum allowable. Use bold or heavy typeface where indicated. Type is black printed on process yellow or equivalent color background. Energy Star logo, if applicable, must be at least 0.36" wide.

Prototype Label 10

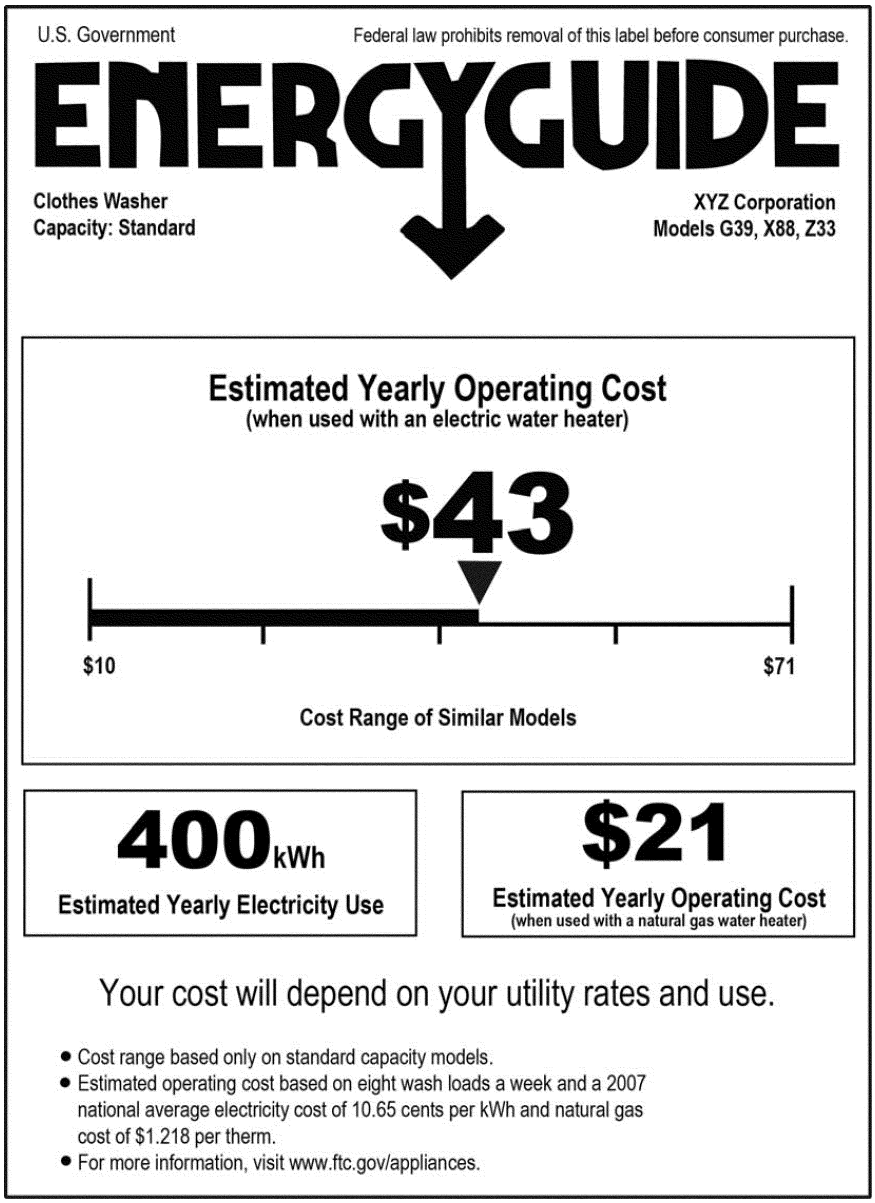
Vertical Rectangular Television Label



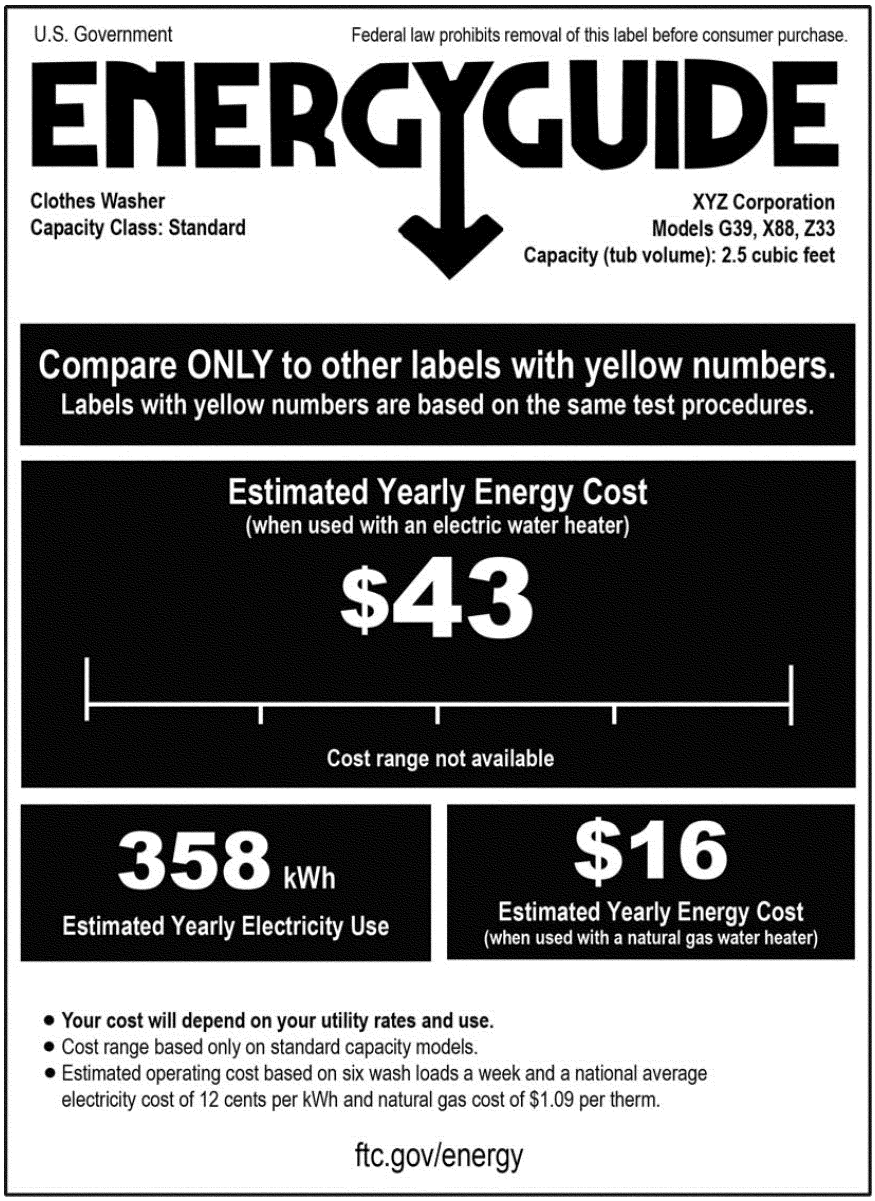
Sample Label 1 – For Refrigerator-Freezers Manufactured before September 15, 2014



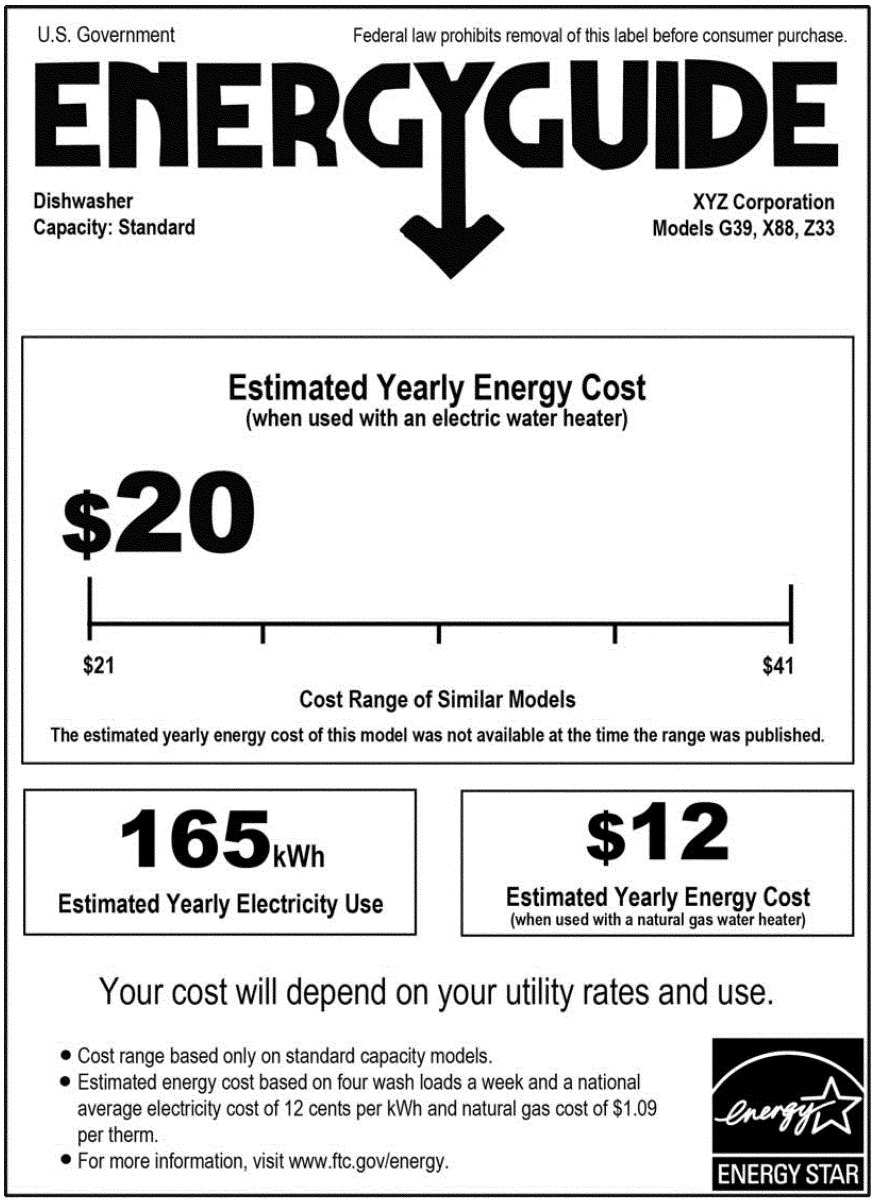
Sample Label 1A – For Refrigerator-Freezers Manufactured on or after September 15, 2014



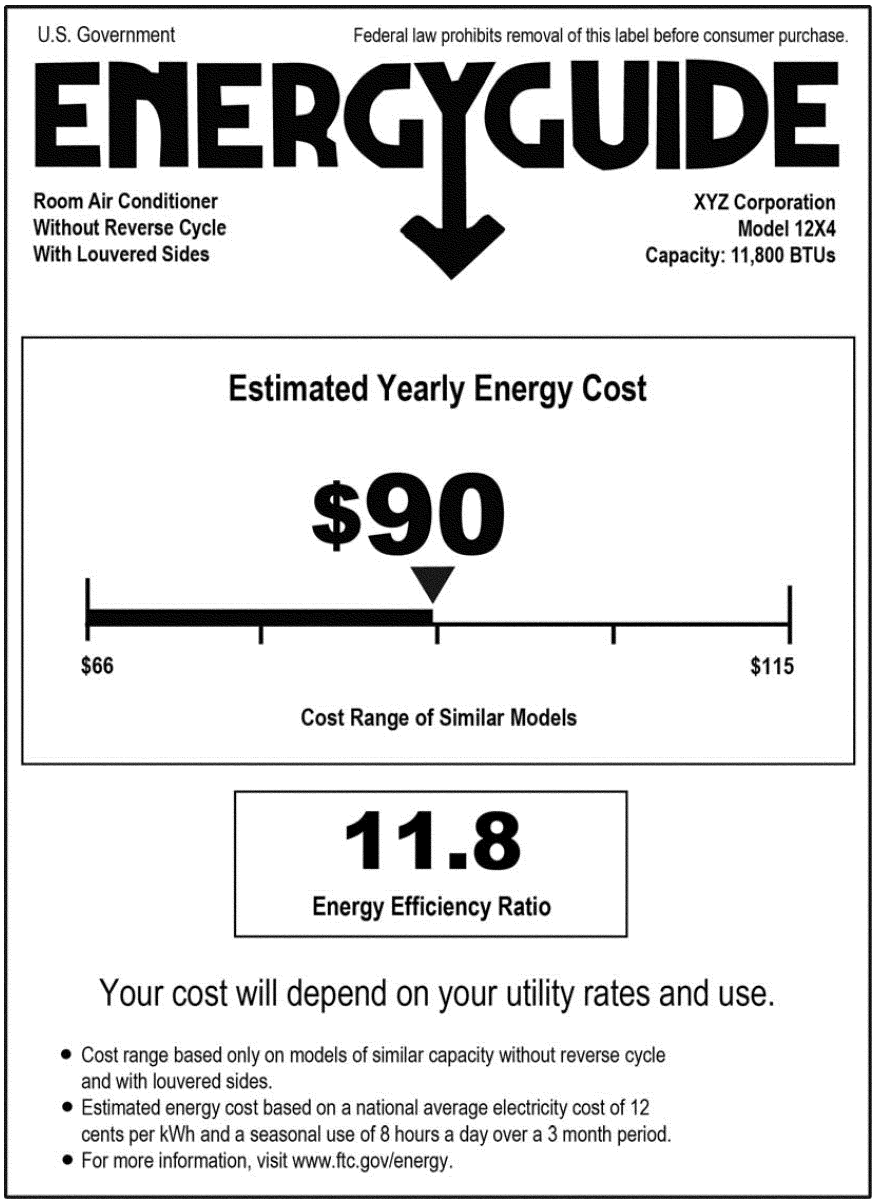
Sample Label 2 – For Clothes Washers Manufactured before March 7, 2015



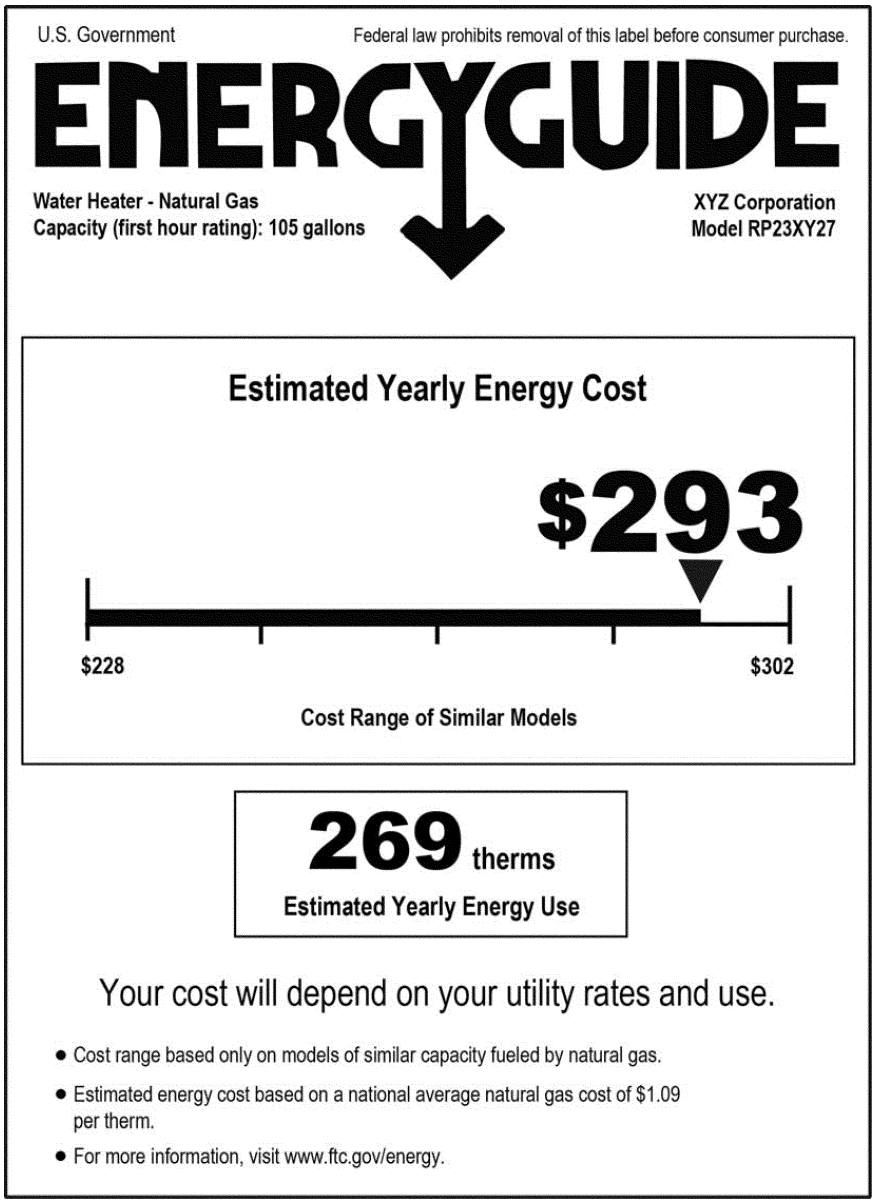
Sample Label 2A – For Clothes Washers Manufactured on or after March 7, 2015



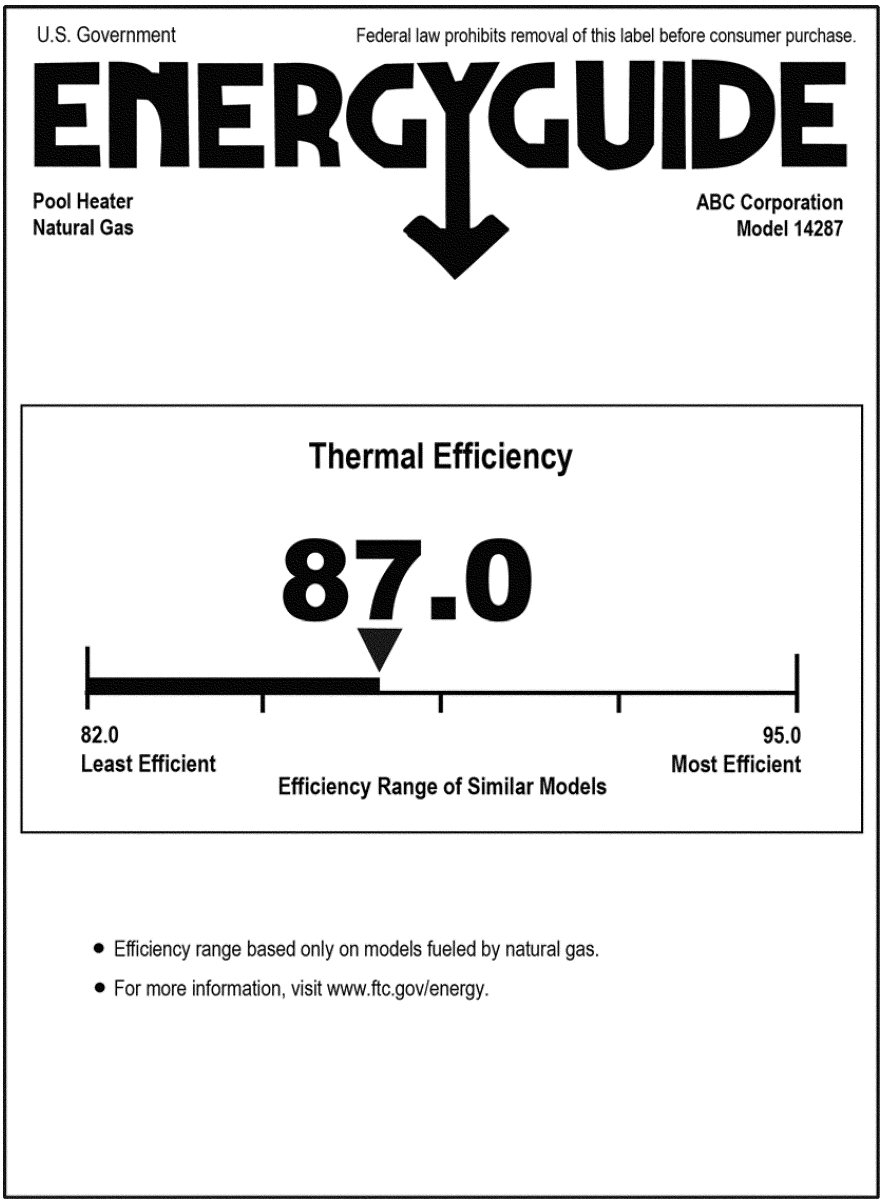
Sample Label 3 - Dishwasher



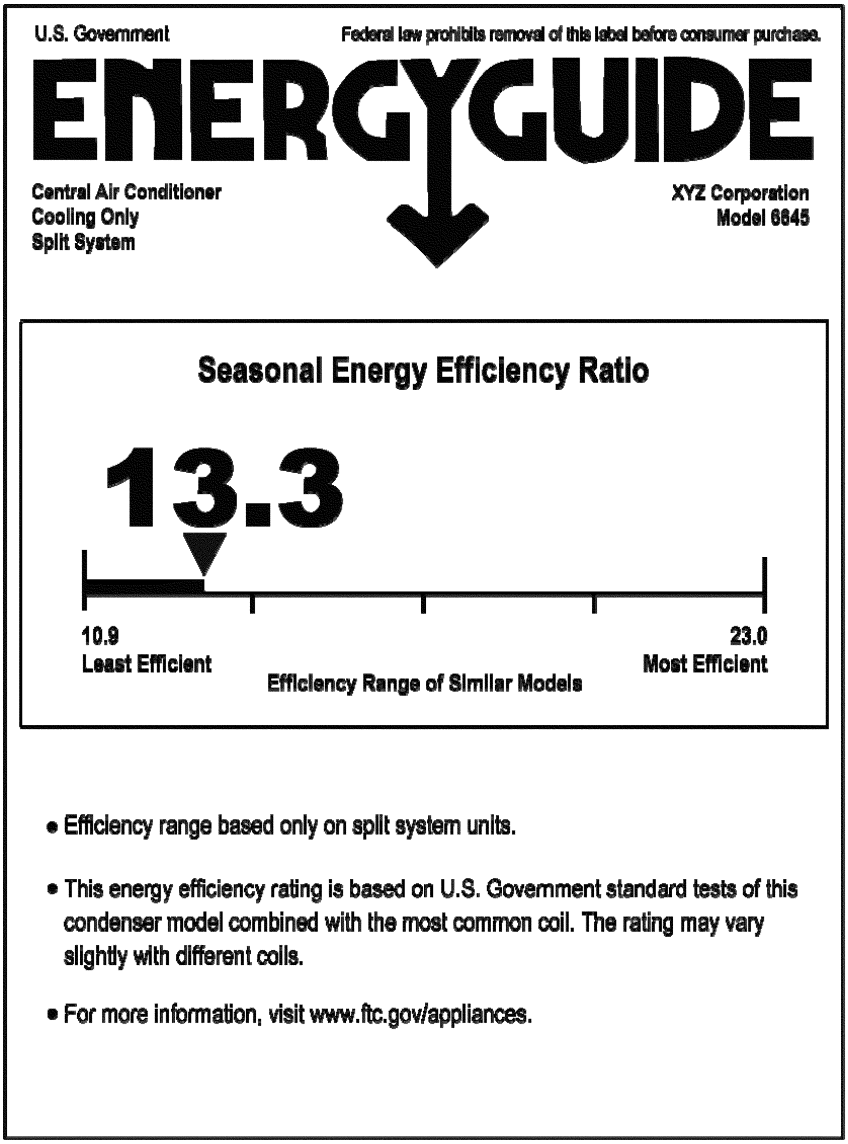
Sample Label 4 - Room Air Conditioner



Sample Label 5 - Water Heater



Sample Label 6 - Pool Heater



Sample Label 7 - Split-system Central Air Conditioner (models manufactured before the compliance date of DOE regional efficiency standards in 10 CFR part 430)

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

XYZ Corporation
Model HC47
Capacity 57,000 Btu/h

Efficiency Rating (SEER)*

13.0-14.2

13.0 Least Efficient — **24.5** Most Efficient

Range of Similar Models

* Seasonal Energy Efficiency Ratio

This system's efficiency rating depends on the coil your contractor installs with this unit. Ask for details.

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

Notice

The installed system must meet minimum federal regional efficiency standards.
See **productinfo.energy.gov** for certified coil combinations.

North 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

Southeast AL, AR, DC, DE, FL, GA, HI, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, U.S. Territories

Southwest AZ, CA, NM, NV

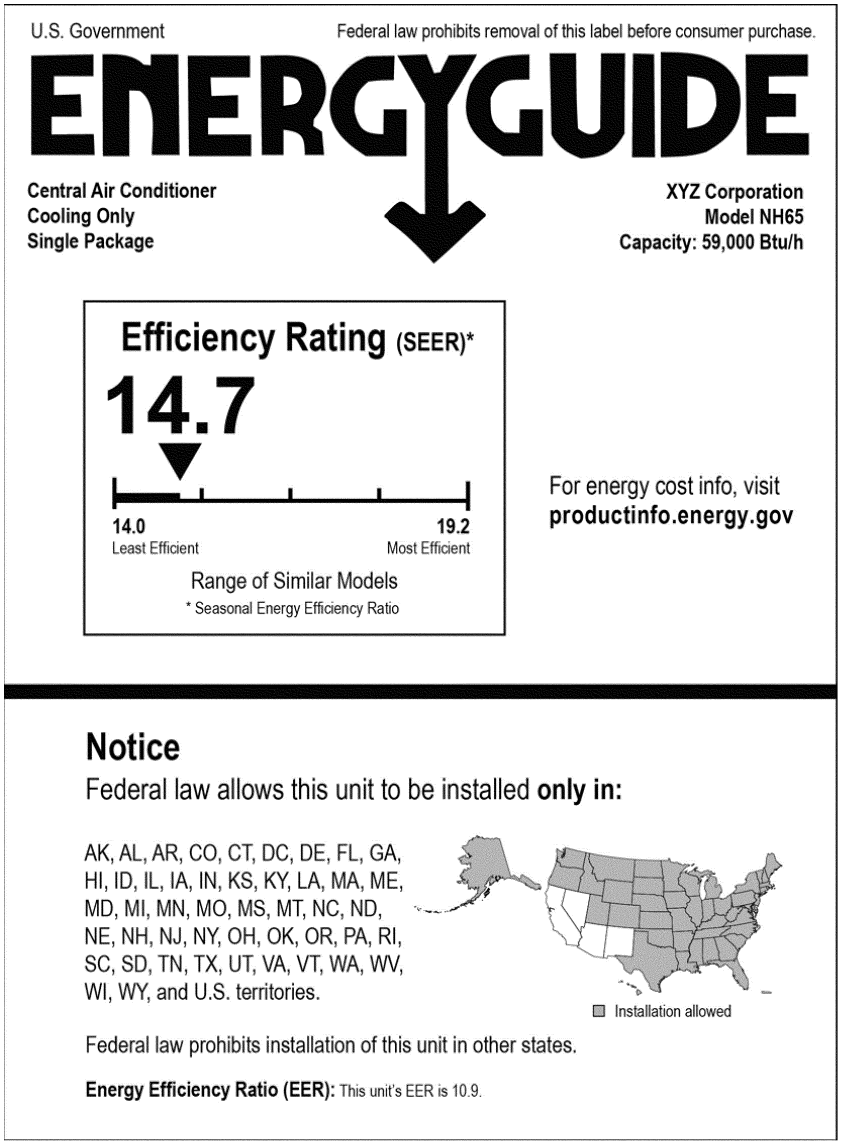
Minimum Standards

	North	Southeast	Southwest
SEER	13	14	14
EER†			12.2
EER††			11.7

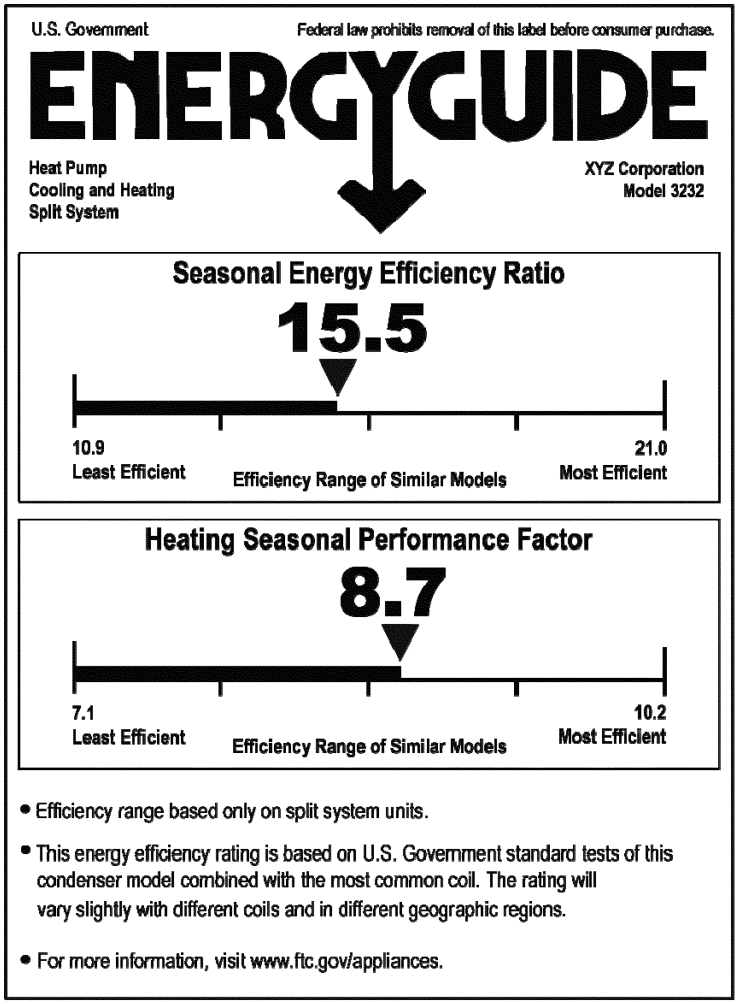
† Units with rated capacity of less than 45,000 btu/h
†† Units with rated capacity equal to or greater than 45,000 btu/h

Energy Efficiency Ratio (EER): could range from 11.4 to 12.5, depending on the coil installed with this unit

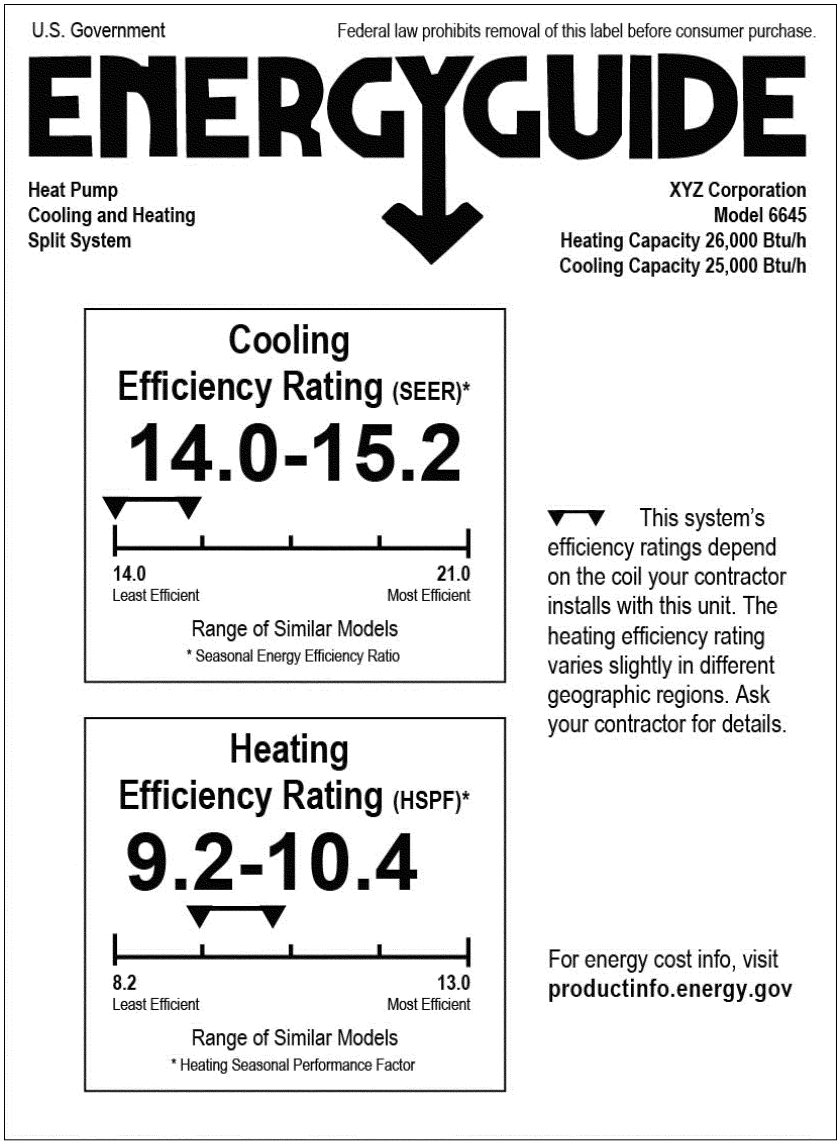
Sample Label 7A - Split-system Central Air Conditioner (models manufactured after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



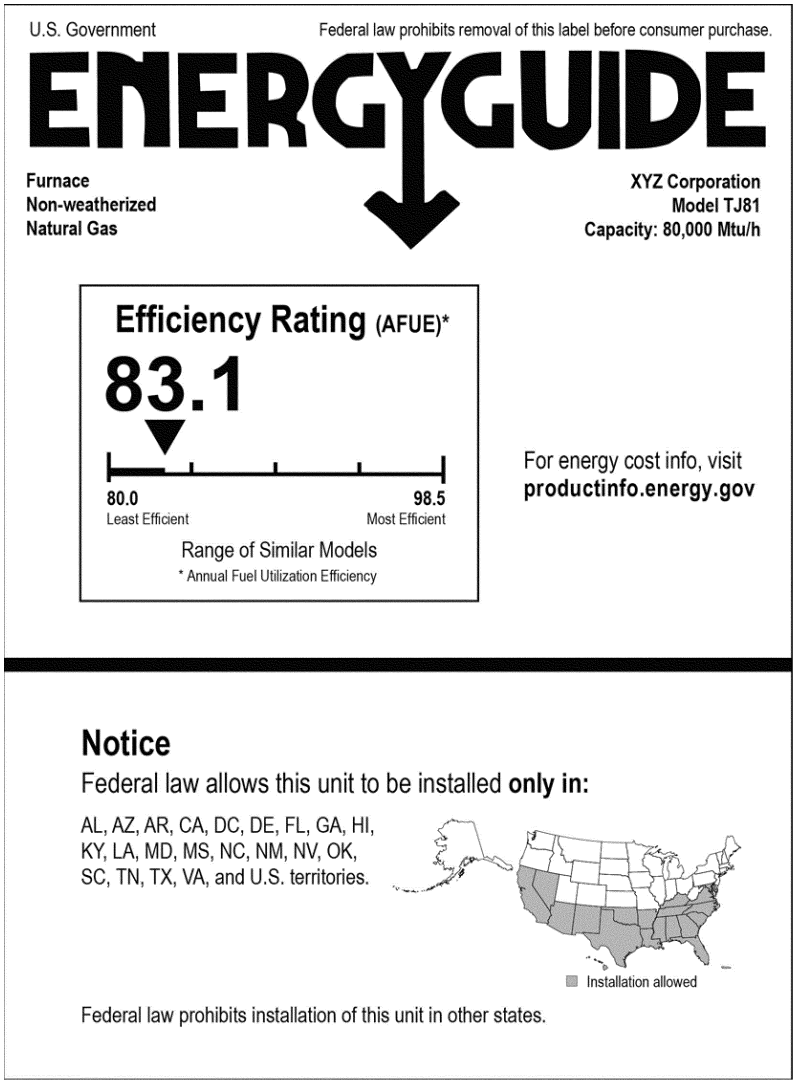
Sample Label 7B - Single-Package Central Air Conditioner (models manufactured after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



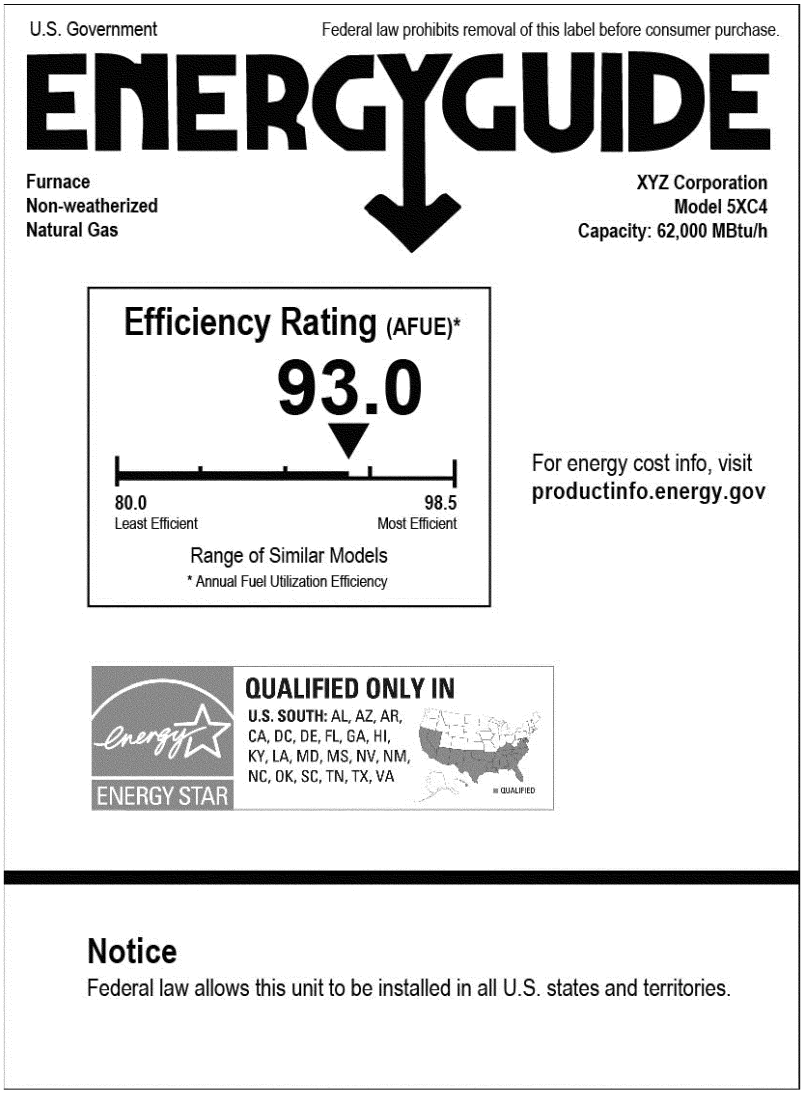
Sample Label 8 - Split-system Heat Pump (only for units manufactured before the compliance date of DOE regional efficiency standards in 10 CFR part 430)



Sample Label 8A - Split-system Heat Pump (only for units manufactured on or after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



Sample Label 9 - Non-weatherized Gas Furnace (below 90 AFUE) (only for units manufactured on or after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



Sample Label 9A - Non-weatherized Gas Furnace (ENERGY STAR) (only for units manufactured on or after the compliance date of DOE regional efficiency standards in 10 CFR Part 430)

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Furnace
Non-weatherized
Oil

XYZ Corporation
Model GX40
Capacity: 105,000 Btu/h

Efficiency Rating (AFUE)*

84.1

83.0 Least Efficient

95.4 Most Efficient

Range of Similar Models

* Annual Fuel Utilization Efficiency

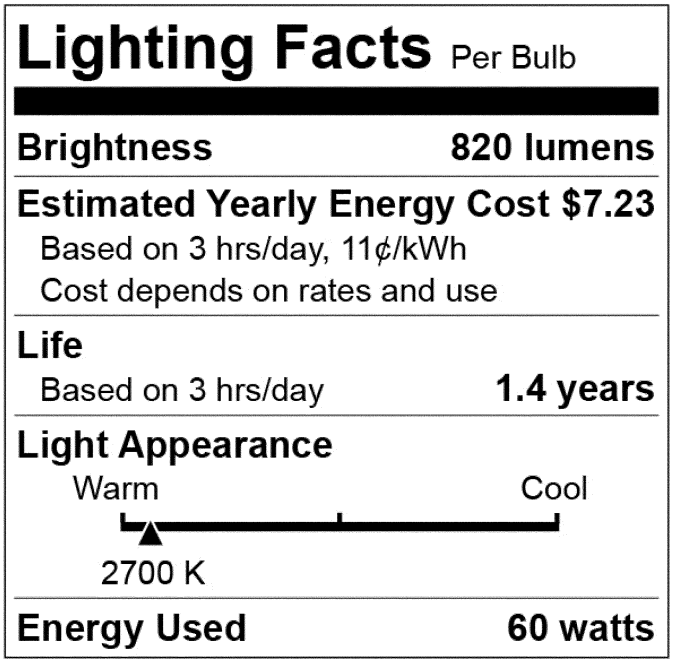
For energy cost info, visit
productinfo.energy.gov

Your efficiency rating depends on the input capacity set by your installer.

The input capacity is 119,000 Btu/h unless your installer checks an input capacity box below.

Input Capacity set by installer (Btu/h)	Efficiency Rating (AFUE)
☐ 84,000	85.5
☐ 105,000	84.8
☐ 140,000	83.5

Sample Label 9B – Non-weatherized Oil Furnaces (only for units manufactured on or after the compliance date of DOE regional efficiency standards in 10 CFR part 430)



Sample Label 10

Lighting Facts Label for General Service Lamp Not Containing Mercury

Lighting Facts Per Bulb	**Light Appearance** Warm Cool 2700 K ENERGY STAR
Brightness **870 lumens**	
Estimated Yearly Energy Cost **$1.57** Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	**Contains Mercury** For more on clean up and safe disposal, visit epa.gov/cfl.
Life Based on 3 hrs/day **5.5 years**	
Energy Used **13 watts**	

Sample Label 11

Lighting Facts Label For General Service Lamp Containing Mercury (Wide Orientation)

Lighting Facts

Per Bulb

Brightness **870 lumens**

Estimated Yearly Energy Cost **$1.57**

Based on 3 hrs/day, 11¢/kWh. Cost depends on rates and use.

ENERGY STAR

Life **5.5 years**

Based on 3 hrs/day

Light Appearance

Warm Cool

2700 K

Energy Used **13 watts**

Contains Mercury

For more on clean up and safe disposal, visit epa.gov/cfl.

Sample Label 12

Lighting Facts Label For General Service Lamp Containing Mercury (Tall Orientation)

Lighting Facts/Datos de Iluminación Per Bulb/Por Bombilla

Brightness/Brillo **870 lumens/lúmenes**

Estimated Yearly Energy Cost/ Costo Estimado Anual de Energía **$1.57**

Based on 3 hrs/day, 11¢/kWh. Cost depends on rates and use./Basado en 3 hrs/día, 11¢/kWh. Costo depende de la tarifa y el uso.

ENERGY STAR

Life/Duración **5.5 years/años**

Based on 3 hrs/day/Basado en 3 hrs/día

Light Appearance/Apariencia de Iluminación

Warm/Cálida Cool/Fría

2700 K

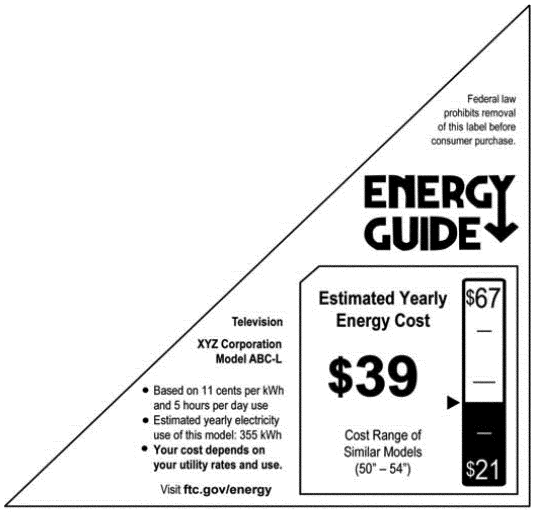
Energy Used/Uso de Energía **13 watts/vatios**

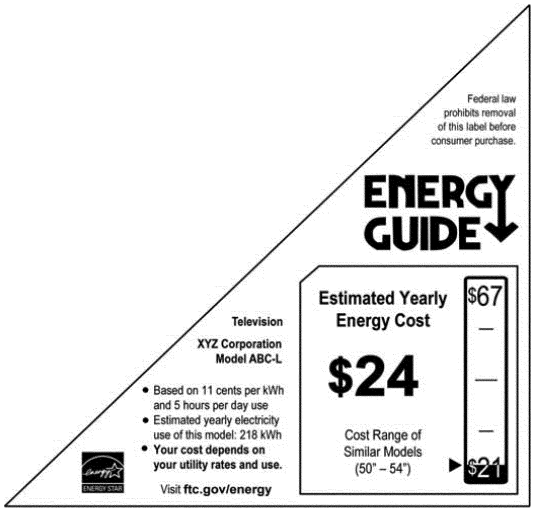
Contains Mercury/Contiene Mercurio

For more on clean up and safe disposal, visit epa.gov/cfl.
Para más sobre limpieza y desecho seguro, visite epa.gov/cfl.

Sample Label 13

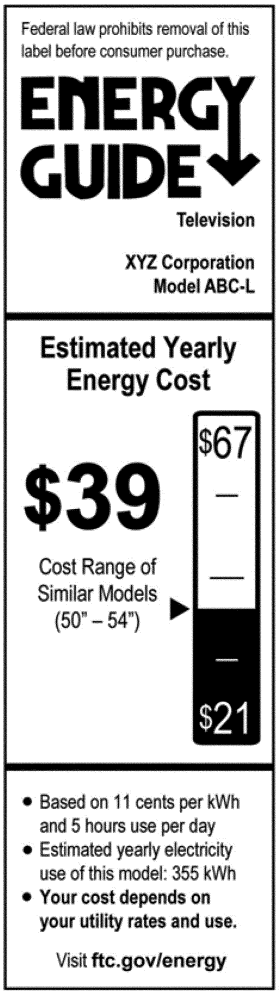
Lighting Facts Label For General Service Lamp Containing Mercury (Bilingual Example)

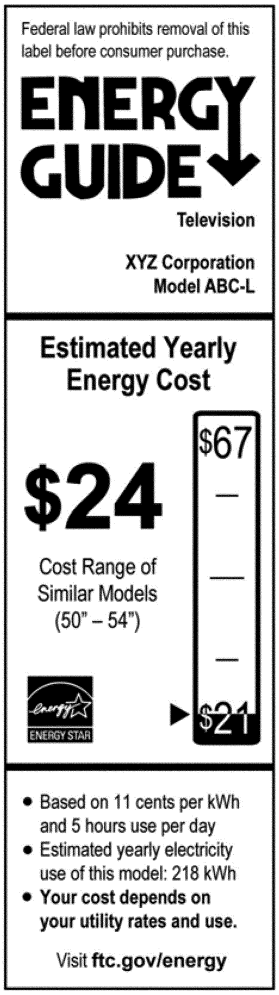




Sample Label 14

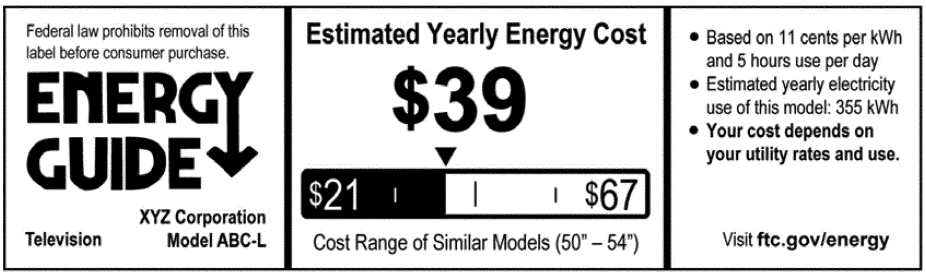
Triangular Television Labels

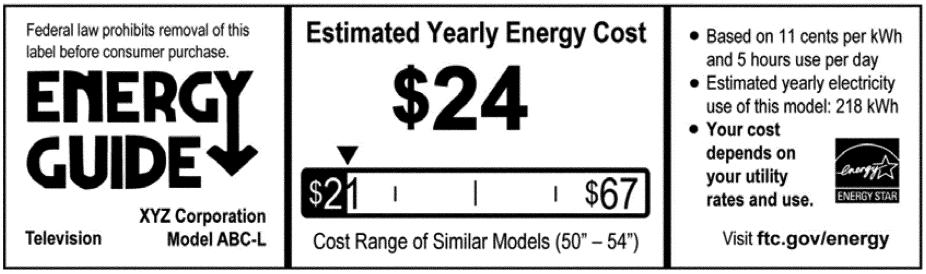




Sample Label 15

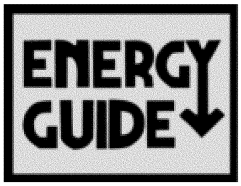
Vertical Television Labels



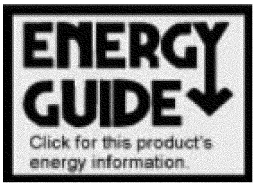


Sample Label 16

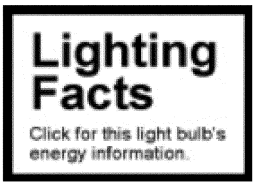
Horizontal Television Labels



Sample Label Icon (for use on television retail websites before January 1, 2014)



Sample Label Icon (for use on all retail websites after January 1, 2014)



Sample Label Icon (for use on all retail websites after January 1, 2014)

[59 FR 25212, May 13, 1994; 59 FR 34053, July 1, 1994. Redesignated at 59 FR 49565, Sept. 28, 1994]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting appendix L, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at *www.fdsys.gov*.

PART 306—AUTOMOTIVE FUEL RATINGS, CERTIFICATION AND POSTING

GENERAL

Sec.
306.0 Definitions.
306.1 What this rule does.
306.2 Who is covered.
306.3 Stayed or invalid parts.
306.4 Preemption.

DUTIES OF REFINERS, IMPORTERS, AND PRODUCERS

306.5 Automotive fuel rating.
306.6 Certification.
306.7 Recordkeeping.