Equipment type	Type of cooling	Harvest rate lb ice/24 hours	Maximum energy use kilowatt-hours (kWh)/100 lb ice [1]	Maximum condenser water use gal/100 lb ice [2]
Self-Contained	Water	≥ 2,500 and < 4,000	5.7	112.
Self-Contained	Air	< 110	14.79–0.0469H	NA.
Self-Contained	Air	≥ 110 and < 200	12.42–0.02533H	NA.
Self-Contained	Air	≥ 200 and < 4,000	7.35	NA.

[1] H = harvest rate in pounds per 24 hours, indicating the water or energy use for a given harvest rate. Source: 42 U.S.C. 6313(d).
[2] Water use is for the condenser only and does not include potable water used to make ice.

(d) Each continuous type automatic commercial ice maker with capacities between 50 and 4,000 pounds per 24-hour period manufactured on or after January 28, 2018, shall meet the following standard levels:

Equipment type	Type of cooling	Harvest rate lb ice/24 hours	Maximum energy use kWh/100 lb ice [1]	Maximum condenser water use gal/100 lb ice [2]
Ice-Making Head	Water	<801	6.48–0.00267H	180–0.0198H.
Ice-Making Head	Water	≥801 and <2,500	4.34	180–0.0198H.
Ice-Making Head	Water	≥2,500 and <4,000	4.34	130.5.
Ice-Making Head	Air	<310	9.19–0.00629H	NA.
Ice-Making Head	Air	≥310 and <820	8.23–0.0032H	NA.
Ice-Making Head	Air	≥820 and <4,000	5.61	NA.
Remote Condensing (but not remote compressor)	Air	<800	9.7–0.0058H	NA.
Remote Condensing (but not remote compressor)	Air	≥800 and <4,000	5.06	NA.
Remote Condensing and Remote Compressor	Air	<800	9.9–0.0058H	NA.
		≥800 and <4,000	5.26	NA.
Self-Contained	Water	<900	7.6–0.00302H	153–0.0252H.
Self-Contained	Water	≥900 and <2,500	4.88	153–0.0252H.
Self-Contained	Water	≥2,500 and <4,000	4.88	90.
Self-Contained	Air	<200	14.22–0.03H	NA.
Self-Contained	Air	≥200 and <700	9.47–0.00624H	NA.
Self-Contained	Air	≥700 and <4,000	5.1	NA.

[1] H = harvest rate in pounds per 24 hours, indicating the water or energy use for a given harvest rate. Source: 42 U.S.C. 6313(d).
[2] Water use is for the condenser only and does not include potable water used to make ice.

[80 FR 4754, Jan. 28, 2015]

Subpart I—Commercial Clothes Washers

SOURCE: 70 FR 60416, Oct. 18, 2005, unless otherwise noted.

§ 431.151 Purpose and scope.

This subpart contains energy conservation requirements for commercial clothes washers, pursuant to Part C of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6311–6317.

§ 431.152 Definitions concerning commercial clothes washers.

AEER means active-mode energy efficiency ratio, in pounds per kilowatt-hour per cycle (lbs/kWh/cycle), as determined in section 4.8 of appendix J to subpart B of part 430 (when using appendix J).

Basic model means all units of a given type of covered product (or class thereof) manufactured by one manufacturer, having the same primary energy source, and which have essentially identical electrical, physical, and functional (or hydraulic) characteristics that affect energy consumption, energy efficiency, water consumption, or water efficiency.

Commercial clothes washer means a soft-mounted front-loading or soft-mounted top-loading clothes washer that—

(1) Has a clothes container compartment that—

(i) For horizontal-axis clothes washers, is not more than 3.5 cubic feet; and

(ii) For vertical-axis clothes washers, is not more than 4.0 cubic feet; and

(2) Is designed for use in—

(i) Applications in which the occupants of more than one household will be using the clothes washer, such as multi-family housing common areas and coin laundries; or

(ii) Other commercial applications.

IWF means integrated water factor, in gallons per cubic feet per cycle (gal/cu ft/cycle), as determined in section 4.2.12 of appendix J2 to subpart B of part 430 (when using appendix J2).

MEF_{J2} means modified energy factor, in cu ft/kWh/cycle, as determined in section 4.5 of appendix J2 to subpart B of part 430 (when using appendix J2).

WER means water efficiency ratio, in pounds per gallon per cycle (lbs/gal/cycle), as determined in section 4.7 of appendix J to subpart B of part 430 (when using appendix J).

[87 FR 33405, June 1, 2022]

TEST PROCEDURES

§ 431.154 Test procedures.

The test procedures for clothes washers in appendix J2 to subpart B of part 430 must be used to determine compliance with the energy conservation standards at § 431.156(b).

[87 FR 33405, June 1, 2022]

ENERGY CONSERVATION STANDARDS

§ 431.156 Energy and water conservation standards and effective dates.

(a) Each commercial clothes washer manufactured on or after January 8, 2013, and before January 1, 2018, shall have a modified energy factor no less than and a water factor no greater than:

Equipment class	Modified energy factor (MEF), *cu. ft./kWh/cycle*	Water factor (WF), *gal./cu. ft./cycle*
Top-Loading	1.60	8.5
Front-Loading	2.00	5.5

(b) Each commercial clothes washer manufactured on or after January 1, 2018 shall have a modified energy factor no less than and an integrated water factor no greater than:

Equipment class	Modified energy factor (MEF_{J2}), *cu. ft./kWh/cycle*	Integrated Water factor (IWF), *gal./cu. ft./cycle*
Top-Loading	1.35	8.8
Front-Loading	2.00	4.1

[76 FR 69123, Nov. 8, 2011, as amended at 79 FR 74541, Dec. 15, 2014; 81 FR 20529, Apr. 8, 2016]

Subpart J—Fans and Blowers

SOURCE: 86 FR 46590, Aug. 19, 2021, unless otherwise noted.

§ 431.171 Purpose and scope.

This subpart contains provisions regarding fans and blowers, pursuant to Part C of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6311–6317. This subpart does not cover ''ceiling fans'' as that term is defined and addressed in part 430 this chapter, nor does it cover ''furnace fans'' as that term is defined and addressed in part 430 of this chapter.

§ 431.172 Definition.

Fan or *blower* means a rotary bladed machine used to convert electrical or mechanical power to air power, with an energy output limited to 25 kilojoule (kJ)/kilogram (kg) of air. It consists of an impeller, a shaft and bearings and/or driver to support the impeller, as well as a structure or housing. A fan or blower may include a transmission, driver, and/or motor controller.

§§ 431.173–431.176 [Reserved]

Subpart K—Distribution Transformers

SOURCE: 70 FR 60416, Oct. 18, 2005, unless otherwise noted.

§ 431.191 Purpose and scope.

This subpart contains energy conservation requirements for distribution transformers, pursuant to Parts B and C of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6291–6317.

[71 FR 24995, Apr. 27, 2006]

§ 431.192 Definitions.

The following definitions apply for purposes of this subpart: