

§ 431.14

endshields, including bearings, to create an electric motor capable of operation in accordance with the applicable nameplate ratings.

Rated frequency means 60 Hz and corresponds to the frequency of the electricity supplied either:

(1) Directly to the motor, in the case of electric motors capable of operating without an inverter; or

(2) To the inverter in the case on inverter-only electric motors.

Rated load (or *full-load*, *full rated load*, or *rated full-load*) means the rated output power of an electric motor.

Rated voltage means the input voltage of a motor or inverter used when making representations of the performance characteristics of a given electric motor and selected by the motor's manufacturer to be used for testing the motor's efficiency.

Special purpose motor means any motor, other than a general purpose motor or definite purpose motor, which has special operating characteristics or special mechanical construction, or both, designed for a particular application.

Special purpose electric motor means any electric motor, other than a general purpose motor or definite electric purpose motor, which has special operating characteristics or special mechanical construction, or both, designed for a particular application.

Submersible electric motor means an electric motor that:

(1) Is intended to operate continuously only while submerged in liquid;

(2) Is capable of operation while submerged in liquid for an indefinite period of time; and

(3) Has been sealed to prevent ingress of liquid from contacting the motor's internal parts.

Total power loss means that portion of the energy used by an electric motor not converted to rotational mechanical power, expressed in percent.

Totally enclosed non-ventilated (TENV) electric motor means an electric motor that is built in a frame-surface cooled, totally enclosed configuration that is

10 CFR Ch. II (1–1–23 Edition)

designed and equipped to be cooled only by free convection.

[69 FR 61923, Oct. 21, 2004, as amended at 74 FR 12071, Mar. 23, 2009; 77 FR 26633, May 4, 2012; 78 FR 75993, Dec. 13, 2013; 79 FR 31009, May 29, 2014; 86 FR 21, Jan. 4, 2021; 87 FR 63654, Oct. 19, 2022; 87 FR 64689, Oct. 26, 2022]

TEST PROCEDURES, MATERIALS INCORPORATED AND METHODS OF DETERMINING EFFICIENCY

§ 431.14 [Reserved]

§ 431.15 Materials incorporated by reference.

(a) Certain material is incorporated by reference into this subpart with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the U.S. Department of Energy (DOE) must publish a document in the FEDERAL REGISTER and the material must be available to the public. All approved incorporation by reference (IBR) material is available for inspection at DOE and at the National Archives and Records Administration (NARA). Contact DOE at: the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Building Technologies Program, Sixth Floor, 950 L'Enfant Plaza SW, Washington, DC 20024, (202) 586-9127, Buildings@ee.doe.gov, <https://www.energy.gov/eere/buildings/building-technologies-office>. For information on the availability of this material at NARA, email: fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html. The material may be obtained from the sources in the following paragraphs:

(b) CSA. Canadian Standards Association, Sales Department, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, L4W 5N6, Canada; (800) 463-6727; www.shopcsa.ca/onlinestore/welcome.asp.

(1) CSA C390-10 (reaffirmed 2019), (“CSA C390-10”), *Test methods, marking requirements, and energy efficiency levels for three-phase induction motors*, including Updates No. 1 through 3, Revised January 2020; IBR approved for § 431.12 and appendix B to this subpart.

(2) CSA C747-09 (reaffirmed 2019) (“CSA C747-09”), *Energy efficiency test*